

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) DEPARTMENT OF BIOTECHNOLOGY

# Project Part-II (18BT C32)

# **List of Projects VIII Sem -2018-22**

Sl No	Hall ticket No	Name	TOPIC	Place of Work
	160116805025	SANIA MASARRATH	Development of Hydrogel Films for	CBIT
1	160118805012	KAVYAGOPIKA YAMINI CHENNUPALLI	Skin Care Applications	
	160118805041	SAMIR MEHDI		GD VIII
2	160118805038	G RAGHU SAI NATH REDDY	MOLECULAR DOCKING STUDIES FOR VITAMIN –D ANALOGUES,	CBIT
	160118805007	HARINI GOPALA	ANTI-INFLAMMATORY DRUGS AND MARINE DERIVATIVES	
	160117805013	NISHITHA SAI TADIBOYINA	PREPARATION OF VARIOUS FOOD PRODUCTS USING	CBIT
3	160117805020	AMANAGANTI ROHA REDDY	CHLORELLA	
	160117805031	CHANDRIKI SRI RAMYA		
	160117805040	AKHIL JILLELLA	BOTANICAL INFUSION OF	CBIT
4	160117805007	DASI HARSHINI	KOMBUCHA FOR ENHANCED NUTRITIONAL COMPOSITION	
5	160118805001	AISHWARYA PALVAI	NUTRITIONAL PROFILE AND DETECTION MECHANISMS OF	CBIT
	160118805022	RITHIKA G	ARTIFICIALLY AND NATURALLY	
	160118805008	HIMAVARSHINI P	RIPENED FRUITS	
6	160118805003	ANJANA SRIJA KUDUMULA	A study on bioactive compounds and anti-proliferative effects from Diospra	CBIT
	160118805005	DEEPIKA N	Chloroxylon plant leaf and bark extracts	
	160118805006	GEETHIKALAL VADAKAVILA	ENHANCEMENT OF THE SECONDARY METABOLITES IN	CBIT
7	160118805028	TEJASWINI REDDY MEDAGAM	ANDROGRAPHIS PANICULATA THROUGH IN VITRO CULTURE TECHNOLOGIES	

	160118805002	ALISHA CHUNDURI	BETTER LEAD IDENTIFICATION	CBIT
8			OF USP21 USING BINDING FREE	
	160118805009	JAHANAVI M	ENERGY CALCULATIONS	
	160118805020	PRAGNYA SAIPRIYA	IDENTIFICIATION OF NOVEL	CBIT
9	100110003020	MUNISETTI	BIOMARKERS FOR LUNG	
	160118805023	SAIMANASA	ADENOCARCINOMA USING	
		KALYANAM	MICROARRAY DATA ANALYSIS	CDIT
	160118805011	JEHAN SIDDIQUI ANUM	PRODUCTION AND OPTIMIZATION OF EXO-	CBIT
10	160118805024	SANTHOSHINI HAZARI	POLYSACCHARIDE (EPS) BY	
10			USA1 ISOLATE OF	
	160118805030	UZMA TABASSUM	STREPTOMYCES SP.	
	160110005015	LAKSHMI SRI RAMYA	FABRICATION OF DYE-	CBIT
	160118805015	PIDUGU	SENSITIZED SOLAR CELLS	
11	160117805008	K MADHULIKA	CONTAINING PLANT	
	160118805021	RAMYA YENDURI	CHLOROPHYLL AND ALGAL	
	100110003021		BIOMASS AS SENSITIZERS	CDIT
	160118805016	MEGHANA REDDY	IN SILICO IDENTIFICATION AND	CBIT
12		DROPATHI	ANALYSIS OF CANCER CAUSING SMAD4 AND ERBB2 GENE	
	160118805040	SAI VAMSI ERRA	VARIANTS	
		MOHITH REDDY	In silico Identification and Analysis of	ESIC,
	160118805037	ARIKATLA	the Deleterious SNPs in HRAS Gene	Hyderabad
13	4 504 4 500 50 40		Associated with Head and Neck	11) derdedd
	160117805042	CHUNDURI KAUSHIK	Squamous Cell Carcinoma	
	160118805017	CHADA NAINIKA	SECONDARY AND TERTIARY	CBIT
14			STRUCTURE PREDICTION OF	
14	160118805019	PALLAVI TELU	HYPOTHETICAL PROTEINS IN	
			HOMO SAPIENS	CD VIII
	160117805024	RAYABANDI SANJANA	EFFECT OF MEDICAL	CBIT
	160118805025	SOWMYA GOLLA	MUSHROOM EXTRACTS FROM VARIOUS GROWTH STAGES AS	
15	160118805031	SHAMSHABAD VISHWANUTHA	AN ANTI-NEURO	
			INFLAMMATORY PROPERTY	
			USING IN-SILICO STUDIES	
	160118805027	SWARNA LEKHYA	Essential Oil Based Micro Emulsion as	CBIT
		YARLAGADDA	Food Grade Preservatives	
16	160118805036	LAKSHMAYYA N S V		
	160118805043	VIJAY BHARGAV		
		MALISETTY	CTUDIEC ON EFFICIENT CALLING	CDIT
			STUDIES ON EFFICIENT CALLUS INDUCTION AND PLANT	CBIT
17	160118805033	ALAM SAHZAD	REGENERATION FROM ORYZA	
			SATIVA L.	
18			DETERMINING THE LYSINE	IICT,
	160118805034	DEEPAK MOHAN	RESIDUE SITE OF IDH2 PROTEIN	Hyderabad
10	100110003034	REDDY S	RESPONSIBLE FOR ITS	
			UBIQUITINATION	
			DISCOVERY OF NOVEL DRUG	CBIT
19	160110005020	CALVIDANIVADADIA	TARGETS FOR BLOCKING	
	160118805039	SAI KIRAN KADARLA	SYNTHESIS OF HIF1β SUBUNIT GROWTH FACTORS THROUGH	
			STRUCTURE BASED DRUG	
			DIVOCIONE DURED DIVOC	1

			DESIGN AND INSILICO	
			ANALYSIS	
20		SOURAB MASHETTY	DOWN STREAM PROCESSING OF	Dr
	160118805042		MONOCLONAL ANTIBODIES BY	Reddy's,
20			USING CHROMATOGRAPHIC	Hyderabad
			COLUMNS	
			MANUFACTURING OF	Dr
21	160118805013	KIRANMAI DORNALA	MONOCLONAL ANTIBODIES AT	Reddy's,
			AN INDUSTRIAL SCALE	Hyderabad
		SUCHETA RAJARAMAN	PRE-FORMULATION STUDY OF A	Dr
22	160118805026		HUMANIZED THERAPEUTIC	Reddy's,
			MONOCLONAL ANTIBODY	Hyderabad
		VENNAMANENI KRISHNA PRIYA RAO	PRODUCTION OF A	Dr
23	160118805014		MONOCLONAL ANTIBODY ON	Reddy's,
		KIGSIIVATKITA KAO	AN INDUSTRIAL SCALE	Hyderabad
	160118805018	NIVEDITHA D	PRODUCTION OF INCLUSION	Dr
24			BODIES (IBS) BY FERMENTATION	Reddy's,
			OF ESCHERICHIA COLI	Hyderabad
			UPSTREAM PROCESSING OF	Dr
25	160118805010	AVADHANULA JAHNAVI	INDUSTRIAL SCALE	Reddy's,
23	100110003010		MANUFACTURING OF	Hyderabad
			BIOSIMILAR MACROMOLECULES	
			UPSTREAM PROCESSING OF	Dr
26	160118805029	USHASWINI SUNKARA	MAMMALIAN CELL CULTURE	Reddy's,
			FOR THE PRODUCTION OF	Hyderabad
			MONOCLONAL ANTIBODIES	
			PRODUCTION OF "X"	Dr
27	160118805032	ARLIBANDI YAMINI	MONOCLONAL ANTIBODY AS A	Reddy's,
-			PART OF CELL LINE	Hyderabad
			DEVELOPMENT	_
	160118805035	JALIGAMA DHANISH DAAMAN RAU	AGGREGATE ANALYSIS OF	Dr
28			FUSION PROTEINS USING SE-	Reddy's,
			HPLC AND SDS-PAGE	Hyderabad

#### A short report on Final year BTech Biotech students (2018-22 admitted students)

The final year students of 2018-22 batch have done their project part-II in VIII Semester. A total of 28 projects have been done by 51 students in a group or individual under various thrust including Industrial Biotechnology, Biostatistics, Plant Biotechnology, areas Nanobiotechnology, Medical Biotechnology, Microbiology, Food Biotechnology, Environmental Biotechnology, etc. 11\_projects have been done externally in Dr Reddys Pvt Ltd., CSIR-Indian Institute of Chemical technology, ESIC, Hyderabad.





This is to certify that the project entitled "Development of Hydrogel Films for skin care applications" submitted by Mr. Samir (1601-18-805-041), Ms. Kavyagopika Yamini (1601-18-805-012), and, Ms. Sania Masarath (1601-16-805-025), 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. Dharmalingam, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. Dharmalingam

Signature: K. Dhan

Date: 27/5/22

Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date: 27-05-2022

**External Examiner** 

Name:

Signature: A salvitue Rani

Date:

11/06/22

Internal Examiner - 2

Name: Dr. Rajasti Yadavalli

Signature:

Date: 27-05-2022

HOD

Name: Dr. Rajasri Yadavalli

Signature:

Date: 27-05-2022

HEAD





This is to certify that the project entitled "MOLECULAR DOCKING STUDIES FOR VITAMIN –D ANALOGUES, ANTI-INFLAMMATORY DRUGS AND MARINE DERIVATIVES" submitted by Ms. Harini Gopala (1601-18-805-007), and, Mr. G Raghu Sai Nath Reddy (1601-18-805-038), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Kiran Yellappa Vajanthri, Asst. Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

#### Internal Guide

Name: Dr. Kiran Yellappa Vajanthri

Signature:

Date: 26 05/22

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Sionature:

Date: 27/01/2022

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Colonal

External Examiner

Name:

Signature: Assistante Rai

Date:

11/08/02

<u>HOD</u>

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HEAD





This is to attest to the fact that the project titled "PREPARATION OF VARIOUS FOOD PRODUCTS USING CHLORELLA"submitted by NISHITHA SAI.T (160117805013), ROHA REDDY (160117805020) AND CHANDRIKI SRI RAMYA(160117805031) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr.RAJASRI YADAVALLI, Head of 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:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

HOD

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HEAD

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

I

**External Examiner** 

Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Name:

Signature:

Date:

Signature: A sest la

Date:

11/26/21





This is to certify that the project entitled "Botanical Infusion of Kombucha for Enhanced Nutritional Composition" submitted by Mr. Akhil Jillella (1601-17-805-040), Ms. Harshini Dasi (1601-17-805-007) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. C. Nagendranatha Reddy Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

# **Internal Guide**

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

# Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

06/06/202

Signature:

Date:

# Internal Examiner – 2

Name: Dr. Rajaşri Yadavalli

Signature:

Date:

# <u>HOD</u>

Name: Dr. Rajasri Yadavalli

Signature:

Date:

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

# **External Examiner**

Name:

Signature: A salathe Kani

Date:

11/08/20





This is to certify that the project entitled "Nutritional profile and detection mechanisms of artificially and naturally ripened fruits" submitted by Ms.Aishwarya Palvai (1601-18-805-001), Ms.Himavarshini P (1601-18-805-008) and Ms.Rithika G (1601-18-805-022) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr.C.Nagendranatha Reddy Asst. professor, and Dr.Bishwambhar Mishra Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

#### Internal Guide - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

### Internal Guide - 2

Name: Dr.Bishwambhar Mishra

Signature: **\( \)** 

Date:

### Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

#### Internal Examiner – 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

#### **External Examiner**

Name:

Signature: A salilla Kari

Date:

11/06/2

**HOD** 

Name: Dr. Rajasri Yadavalli

Signature:

Date:





This is to certify that the project entitled "A Study on Bio-active compounds and Anti-Proliferative Effects from Diosypros Chloroxylon plant leaf & bark extracts" submitted by Ms. Anjana Srija (1601-18-805-003) and Ms. DeepikaNalli (1601-18-805-005) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. C. Obula Reddy, Asst. professor, Department of Biotechnology, CBITand the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. C. Obula Reddy

Signature: Cobula R-eally

Date: 31-5-2022

#### Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Signature:

06/06/2022

Date:

**External Examiner** 

Name:

Signature: A Salatta Ca.

Date: 11/56/26

Internal Examiner – 2

Name: Dr.RajasriYadavalli

Signature:

Dept. of Bio-Technology

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

HOD

Name: Dr.RajasriYadavalli

Signature: Coloning

Date: Dept. of Bio-Technology
Chaltanya Bharathi Institute of Technology

Gandipet, Hyderabad-500 075





This is to certify that the project entitled "Enhancement of the secondary metabolites in Andrographis paniculata through in vitro culture technologies" submitted by Ms. Vadakavila Geethikalal (1601-18-805-006), Ms. Medagam Tejaswini Reddy (1601-18-805-028), 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 Varimadugu Aruna, 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**

28/5/2022

Name: Dr. Varimadugu Aruna

Signature: V. Alui,

Date:

Internal Examiner – 2

Name: Dr. Rająsri Yadavalli

Signature:

Date:

**External Examiner** 

Internal Examiner – 1

Name: Dr. C. NagendranathaReddy

Name:

Signature:

Date:

Signature: A salitla Rai

Date:

11/06/22

HOD

Name: Dr. Rajasçi Yadavalli

Signature: \(\mathcal{l}\mathcal{

Date:

HEAD





This is to certify that the project entitled "Better lead identification of USP21 using binding free energy calculations" submitted by, Alisha Chunduri (1601-18-805-002), and M. Jahanavi (1601-18-805-009) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of, Dr. B. Sumithra, Assistant Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. B. Sumithra

06/06/201.

Signature: Sunt Ara.

Date: 26/5/20

Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner – 2

Name: Dr. Rajaşri Yadavalli

Signature:

Date:

HOD

Name: Dr. Rajasri Yadavalli-

Signature:

Date:

HEAD

Dept. of Bio-Technology Chaltanya Bharathi Institute of Technology Sandipet, Hyderabad-500 075

**External Examiner** 

Name:

Signature: A.samille Rai

Date: 11/06/22





This is to certify that the project entitled "Identification of novel biomarkers for lung adenocarcinoma using microarray data analysis" submitted by Ms. M. Pragnya Sai Priya(1601-18-805-020), and Ms. Saimanasa Kalyanam(1601-18-805-230) in partial fulfilment of degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. B. Sumithra, Assistant Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. B. Sumithra

Signature: Swan ha.

Date: 25.05.22

#### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

2 Hostron

Signature:

Date:

# Internal Examiner - 2

Name: Dr. Rajasri/Yadavalli

Signature:

Date:

### External Examiner

Name:

Signature: Assile Rai

Date: W/bb/2

<u>HOD</u>

Name: Dr. Rajasri Yadavalli

Signature:

Date:





This is to the project entitled "Production and optimization of Exo-polysaccharide (EPS) by USA1 Isolate of Streptomyces sp." submitted by Ms. Uzma Tabassum (1601-18-805-030), Ms. Anum Jehan Siddiqui (1601-18-805-011), Ms. Hazari Santhoshini (1601-18-805-024) in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried certify that under the supervision of Dr. Bishwambhar Mishra, Asst. professor Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. Bishwambhar Mishra

Signature:

Date:

Assirille Kai

Internal examiner - 1

Name: Dr. C. Nagendranatha Reddy

**External examiner** 

Signature:

Date:

Name:

Date:

Signature:

Internal examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HOD

Name: Dr. Rajasri, Yadavalli

Signature:

Date:

HEAD





This is to certify that the project entitled "Fabrication of dye-sensitized solar cells containing Plant Chlorophyll and algal biomass as sensitizers" submitted by Ms. Lakshmi Sriramya Pidugu (1601-18-805-015), Ms. Ramya Yenduri (1601-1-805-021) and Ms. Madhulika Kella (1601-17-805-008) 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. Dharmalingam, Ph.D. and Dr. Rajasri Yadavalli, Ph.D 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. Dharmalingam

Signature: K. Dham

27/05/2022 Date:

Name : Dr. Rajesti

### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HOD

Name: Dr. RajasriYadavalli

Signature: 49

Date:

HEAD

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

# **External Examiner**

Name:

Signature: A Salsilli Rai

Date:

11/06/22





This is to certify that the project entitled "In silico identification and analysis of cancer causing smad4 and erbB2 gene variants" submitted by Meghana Reddy Dropathi (1601-18-805-016), and, Sai Vamsi Erra(1601-18-805-040), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a bonafide record of work carried under the supervision of Dr. Sanjeeb Kumar Mandal, Asst. Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for the award of degree or diploma.

### **Internal Guide**

Name: Dr. Sanjeeb Kumar Mandal

Signature:

Date:

Internal Examiner - 1

Name: Dr. C. Nagendranatha

Reddy

Signature:

Date:

**External Examiner** 

Name:

Signature: A sasitu Rai

Date:

11/06/22

Internal Examiner - 2

Name: Dr. Rajasri

Yadavalli

Signature:

Date:

HOD

Name: Dr. Rajasri Yadavalli

Signature:

Date:





This is to certify that the project entitled "In silico Identification and Analysis of the Deleterious SNPs in HRAS Gene Associated with Head and Neck Squamous Cell Carcinoma" submitted by Mr. Mohith Reddy Arikatla (1601-18-805-037), and Mr. Kaushik Chunduri (1601-17-805-042), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a bonafide record of work carried under the supervision of Dr. Sanjeeb Kumar Mandal, Asst. Professor, Department of Biotechnology, CBIT, and Dr. Madhumohan Rao Katika, Head of MVDRL & BSL, ESIC, Sanathnagar, Hyderabad and the same has not been submitted to any other university or institute for the award of degree or diploma.

### **Internal Guide**

Name: Dr. Sanjeeb Kumar Mandal

Jonizach Kemer Mandel

Date:

Mollon

#### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

**External Examiner** 

Name:

Signature: A Select lan

Date:

#### Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HOD

cololay

Name: Dr. Rajasri Yadavalli

Signature: Cololey
Date: 11612





This is to certify that the project entitled "Secondary and tertiary structure prediction of hypothetical proteins" submitted by Ms. Nainika Chada (1601-18-805-017) and Ms. Pallavi Telu (1601-18-805-019) 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. Varimadugu Aruna, Asst. Professor, Department of Biotechnology, CBIT, and the same has not been submitted to any other university or institute for the award of degree or diploma.

### **Internal Guide**

Name: Dr. Varimadugu Aruna

Signature:

Date: 28 5 2022

#### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

08/06/202

Date:

**External Examiner** 

Name:

Signature: A selothe Rai

Date: 4/06/21\_

<u>Internal Examiner - 2</u>

Name: Dr. Rajaşri Yadavalli

Signature:

Date:

**HOD** 

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HEAD



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION YEARS

# **CERTIFICATE**

This is to certify that the project entitled "Effect of medical mushroom extracts from various growth stages as an anti-neuro inflammatory property using in-silico studies" submitted by Ms. Sowmya Golla (1601-18-805-025), Ms. Vishwanutha Shamshabad(1601-18-805-031), Ms. Rayabandi Sanjana(1601-17-805-024), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. G. Vijaya Laxmi, 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. G. Vijaya Laxmi

Signature:

Date:

Asst. Professor Dept. of Bio-Technology

Chaitanya Bharathi Institute of Tech Gandipet, Hyderabad-500 07

### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

<u>Internal Examiner – 2</u>

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HEAD

# **External Examiner**

Name:

Signature: A-Sasitla Rain

HOD

Name: Dr. Rajasri Yadavalli

Signature: Ulan

Date: 2xlx2

HEAD





# <u>CERTIFICATE</u>

This is to certify that the project entitled "Essential Oil Based Micro Emulsion as Food Grade Preservatives" submitted by Y Swarna Lekhya (1601-18-805-027), NSV Lakshmayya (1601-18-805-036), and, M Vijay Bhargav (1601-18-805-043), 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. Bishwmabhar Mishra, Asst. professor. Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### <u>Internal Guide</u>

Name: Dr. Bishwmabhar Mishra

Signature:

Date:

26/5/2

### <u>Internal Examiner – 1</u>

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

External Examiner

Name:

Signature: A. salite loui

Date:

11186/22

Internal Examiner - 2

Name: Dr. Rajasıi Yadavalli

Signature:

Date:

<u>HOD</u>

Name: Dr. Rajasri Yadavalli

Signature:

Date:





This is to certify that the project entitled "Studies on Efficient Callus Induction And Plant Regeneration From Oryza Sativa L." submitted by Sahzad Alam (1601-18-805-033) 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.G.Vijaya Laxmi, 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. G. Vijaya Laxmi

Signature:

31/5/22 Date:

#### Internal Examiner – 1

Name: Dr. C. NagendranathaReddy

Signature:

Date:

**External Examiner** 

Name:

Signature: Asabelle Pa.

Date:

11/06/22

<u>Internal Examiner – 2</u>

Name: Dr. RajasriYadavalli

Signature:

Date:

HOD

Name: Dr. Rajasri Yadavalli

11/6/s

Signature:

Date:



# सी.एस.आइ.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान CSIR - Indian Institute of Chemical Technology



(वैज्ञानिक तथा औघोगिक अनुसंधान परिषद) (Council of Scientific & Industrial Research)

विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology Govt. of India तारनाका Tarnaka, हैवराबाद Hyderabad - 500 007. भारत India

# CERTIFICATE

This is to certify that the project entitled "Determining the lysine residue site of IDII2 protein responsible for its Ubiquitination" submitted by S Deepak Mohan Reddy in partial fulfillment of the requirement for the award of the degree of B.Tech Biotechnology at Chaitanya Bharathi Institute of Technology (A), Affiliated to Osmania University is a record of Bonafide work carried out by him under my guidance during the internship period (17-01-2022 to 10-05-2022). The project fulfills the requirements as per the regulations of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this Institute or any other Institute or University.

Dr. Nishant S. Jain Senior Scientist

Department of Applied Biology
CSIR-Indian Institute of Chemical Technology
Hyderabad - 500 007.

Dr. S Nishant Jain

Principal Scientist

, Department of Applied Biology, CSIR-IICT, Tarnaka, Hyderabad - 500007

Famaily mishant (2)

E-mail: nishant@iict.res.in

Date: 25.05.2022









This is to certify that the project entitled "Discovery of novel drug taxpes for blocking synthesis of HIF1\beta subunit growth factors through structure based drug design and insilico analysis. "submitted by Mr.Kadarla Sai Kiran (1601-18-805-039) 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.Obula Reddy, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### Internal Guide

Name: Dr.C.Obula Reddy

Signature: CobubReildy
Date: 26-5-2022

#### Internal Examiner - 1

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Name: Dr.C. Nagendranatha Reddy

Signature

Date:

**External Examiner** 

Date:

Signature:

HOD

Name:

Name: Dr. Rajasri Yadavalli

Signature:





This is to certify that the seminar report entitled "Down Stream Processiong of Monoclonal Antibodies by using Chromatographic columns." submitted by Mr.Sourab Mashetty (1601-18-805-042) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology, Osmania University is a bonafide record of work carried under the supervision of Dr.C.Nagendranatha Reddy, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree and diploma.

or institute for award of degree and diploma.			
External Guide Name: Paidamnaidu Y	Internal Guide Name: Dr.C.Nagendranatha Reddy		
Signature: y Ridan raids	Signature: 09/06/2012		
Date: 24th May 122	Date:		
Internal Examiner – 1	Internal Examiner – 2		
Name: Dr.Rajasri Yadavalli Signature:	Name: Dr.C.Nagendranatha Reddy Signature:		
Date: Uollu	Date: 09/06/2011		
External Examiner	HOD		
Name: Signature: A Salaitaka.	Name: Dr. Rajasri Yadavalli Signature:		

Date:

11/08/22

Date:





This is to certify that the project entitled "Manufacturing of monoclonal antibodies at an industrial scale" submitted by Ms. Kiranmai Dornala (1601-18-805-013), 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. Varimadugu Aruna, Asst. Professor, Department of Biotechnology, CBIT, and the same has not been submitted to any other university or institute for the award of degree or diploma.

Internal	Guide

Name: Dr. Varimadugu Aruna

Signature: A Mu

Date: 28/5/2012

Aternal Examiner - 1

Dr. C. Nogerdranotta healdy

Signature:

Date:

**External Examiner** 

Name:

Signature: A Salithe Law

11/06/22. Date:

**External Guide** 

Name: Jeevan kumar Nalla

Signature:

Date:

External Examiner -

Name:

Signature:

Date:

HOD

Name: Dr. Rajaçı Yadavalli

Signature:

Date:

HEAD





This is to certify that the project titled "Pre formulation study of a Humanized therapeutic monoclonal antibody" submitted by Sucheta Rajaraman (1601-18-805-026), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr.Rajasri Yadavalli Pendem, 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 Pendem

Signature: U

26/1/22

**External Guide** 

Name: Dr.Ravi Kumar Marikanti

Signature: (25/05/2022

Date:

#### <u>Internal Examiner – 1</u>

Name: Dr. C. Nagendranatha Reddy

09/06/2022

Signature:

Date:

Internal Examiner – 2

Name: Dr. Rajasri Yadavalli

Signature: Ukon

Date:

26/fes

#### **External Examiner**

Name:

Signature: A sente la

Date: 11/06/21

**HOD** 

Name: Dr. Rajasri Yadavalli

Signature:

Date:

26/1/24





This is to certify that the project entitled "Production of a monoclonal antibody on an industrial scale" submitted by Ms Vennamaneni Krishna Priya Rao (160118805014) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work under the supervision of Dr Rajasri Yadavalli, Associate Professor, I/C Head of Department, CBIT and the same has not been submitted to any other university for award of degree or diploma.

Internal Guide

Name: Dr Rająsri Yadavalli

Signature: Yly

Date: 26/1/22

**Internal Examiner-I** 

Name: Dr C Nagendranatha Reddy

Signature:

22/05/2022 Date:

Name: Mahesh Verma ND

External Guide

Signature:

Date: 25 05 22

Internal Examiner-II

Name: Dr Rajasri Yadavalli

Signature: 464

Date: 26/1/2~

External Examiner-1

Name:

Signature: Assethe Rain

Date: 11/06/27

Head of Department

Name: Dr Rajasri Yadavalli

Signature: 44

Date:





This is to certify that the project entitled "Production of Inclusion Bodies (IBs) by fermentation of Escherichia coli" submitted by Ms. D Niveditha (1601-18-805-018) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr B Sumithra, Assistant Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. B. Sumithra

Signature: Sanita.

Date:

Internal Examiner 1

Name: Dr. C. Nagendranath Reddy

Signature:

Date:

External Examiner

Name:

Signature: A- sertu Rai

Date: 1106/2

External guide

Name: Mr. Jeevan Kumar Nalla

Signature:

Date:

Internal Examiner 2

Name: Dr. Rajasri Yadavalli

Signature: Yby

Date: 2 Holz

**Head of Department** 

Name: Dr. Rajasri Yadavalli

Signature: 46.

Date: 2 Holze



11/06/2



HEAD Dept. of Bio-Technology Chaitanya Bharathi Institute of Technology

# **CERTIFICATE**

This is to certify that the project entitled "Upstream Processing of Industrial Scale Manufacturing of Biosimilar Macromolecules" submitted by Ms.A.Jahnavi (1601-18-805-

010), under the guidance of Dr. B. Sumithra, in partial fulfilment	for the degree of "Bachelor of
Technology" in Biotechnology, Osmania University is a bonafide re	
supervision of Nalla Jeevan Kumar, Dr. Reddy's Laboratorie	
submitted to any other university or institute for award of degree or	
Internal Guide	External Guide
Name: Dr. B. Surithra	Name:
Signature: Simulta.	Signature:
Date: 24 . 05 . 22 ,	Date:
Internal Examiner 1	Internal Examiner 2
Name: De C. Doje diende heddy	Name: Drylogane
Signature:	Name: Drylogane Signature: Ylan
Date:	Date: 28/1/22
External Examiner	<u>HOD</u>
Name:	Name: Yloyan Signature: Ylon Date: 24/1/22
Signature: A Szitt lei	Signature: 4 low
Date: 11/06/24	Date: 27/1122





This is to certify that the project entitled "Upstream processing of mammalian cell culture for the production of monoclonal antibodies" submitted by Miss Ushaswini Sunkara (160118805029) 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 Dharmalingam, Asst, Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

### **Internal Guide**

Name: Dr. Dharmalingam

Signature: K. D. Rami

Date: 27 | 5 | 22

#### Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy traforfor

Signature:

Date:

Name:

Date:

<u>Internal Examiner – 2</u>

Name: Dr. Rajasri Yadavalli

Signature:

**HOD** 

Name: Dr. Rajasņi Yadavalli

Signature:

Date:

HEAD Dept. of Bio-Technology Chaitanya Bharathi Institute of Technologs Gandinel Hyderahad-500 21

11/06/22

Signature: A Samue Kani

External Examiner





This is to certify that the project entitled "Production of "X" monoclonal antibody as a part of Cell line development" submitted by Yamini Arlibandi (1601-18-805-032), 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. Shailja Dwivedi, Lead of Cell Line Development, Dr. Reddy's Laboratories and the same has not been submitted to any other university or institute for the award of degree or diploma.

### **External Guide**

Name: Dr. Shailja Dwivedi

Signature: Suits

Date: 20105 /2092

### <u>Internal Examiner – 1</u>

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

# External Examiner

Name:

Signature: A salstu lan

Date: 1106/22

### **Internal Guide**

Name: Dr. Dharmalingam

Signature: K. DRam

Date: 23 |5 |2022.

### Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

### HOD

Name: Dr. Rajasri Yadavalli

Signature:

Date:





This is to certify that the project entitled "Aggregate analysis of fusion protein using SDS-PAGE and SE-HPLC" submitted by Mr. Jaligama Dhanish Daaman Rau (1601-18-805-035) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Dharmalingam, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

External	Guide
----------	-------

Name: Dr. Pandiaraja P

Signature: holy

Date: 20/05/2022

#### Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

05/06/ww

Date:

**External Examiner** 

Name:

Signature: A Salable Rai

Date: 11/06/22

Internal Guide

Name: Dr. Dharmalingam

Signature: K. Dranz

14,

Date

23 5 2022.

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

HOD

Name: Dr. Rajasri Yadavalli

Signature:

Date:

Challe ma Buseaum teethure of Teennategy
Candipet, Hyderabad 500 pes