

**MSc Biotechnology Departmental Report**  
**ACADEMIC YEAR (2021-2022)**

**Student Activities:**

**ONLINE CERTIFICATE COURSE COMPLETION & E-QUIZ  
PARTICIPATION PROGRAM**

<b>S.No</b>	<b>Date</b>	<b>TITLE</b>	<b>Online/Offline</b>	<b>No of Participants</b>
1.	06/03/2021	Biotechnika Course	Online	15 Students
2.	10/05/2021	Online Course on (GHMC-SWIFT( SOLID WASTE MANAGEMENT)Govt .of Telangana	Online	32 Students
3.	10/05/2021	NATIONAL LEVEL QUIZ COMPETITION ONLINE ON <b>Ganga Quest</b> Govt.Of India	Online	25 Students
4.	19/05/2021	Online Course on Stanford University	Online	09 Students
5.	26/05/2021	Online Quiz Johns Hopkins University	Online	02 Students
6.	27/05/2021	Health Emergencies certificate Program(WHO)	Online	1 (S.SriNavya)
7.	05/06/2021	World Environmental Day Pledge (Govt.of Telangana) On June 5th By NMBT <b>Department Activity</b>	Online	38 Students
8.	05/06/2021	Ecosystem Restoration (Quiz) <b>STUDENT PARTICIPATION INTER COLLEGE COMPETITION</b>	Online	1 Student (S. Sri Navya)
9.	04/06/2021-05/06/2021	QRIOSITY- Environmental biotechnology ( <b>National level e- quiz</b> ) <b>Departmental Activity Quiz</b>	Online	452 students
10.	07/06/2021-11/06/2021	National level UGC Stride ( Workshop)	Online	32 Students

		(Mizoram University, Aizwal) <b>Department Faculty &amp; student participation</b>		
11.	19/06/2021	Modern Institute Of Technology (e.Quiz On “Sickle Cell Disease”) <b>INTER COLLEGE STUDENT PARTICIPATION</b>	Online	17 Students
12.	15/08/2021	Modern Institute Of Technology (National e.Quiz On “Awareness on Indian History & Independence Day)	Online	10 Students
13.	15/08/2021	<b>National level Azadika Amrit Mahotsav ( Rasthragyan)Govt.Of India STUDENT PARTICIPATION</b>	Online	01 (S.Swathi)
14.	26/09/2021	MIT –on “Awareness on Health Of Environment Of The Earth”	Online	11 Students
15.	13 <sup>th</sup> to 18 <sup>th</sup> September 2021	International interdisciplinary FDP program to empower their concerned field of research <b>DEPARTMENTAL FDP</b>	Online	04  (Faculty Of PG Biotechnology)

## **INSPIRE SESSIONS (Industry Academia Interaction Program)**

### **MSc Biotechnology -2021-2022)**

Session I	26/10/2021	Interactive Session With Rakshith (Working In BiologicalE.Limited)	Offline	37 Students
Session II	06/11/2021	Interactive Session With Ms. Priyanka (JRF)	Offline	37 Students
Session III	16/02/2022	Interactive Session With T.Manasa (Lab Manager- Agri Biotech)	Offline	36 Students

## **STUDENT PUBLICATIONS**

### **(MSc Biotechnology)**

<b>S.No</b>	<b>Year Of Publication</b>	<b>Name Of The Student</b>	<b>Title Of Paper/ Book</b>
1.	2021	A.Sai Sri	3 Poems Published in Anthologies
2.	2022	D.Anuradha	2 Poems Published in National Level Poetry

## STUDENT ACTIVITIES ( IN CAMPUS)

(2021-2022)

S.No	Date	Title	No. Of Participants
1.	22/02/2022	Covid Appropriate Behaviour	20 Students

## OUTREACH PROGRAMS

(2021-2022)

S.No	Date	Program	Offline/ Online	No. Of Participants
1.	29/09/2021	Blood Donation at Century Hospital (Banjara Hills)	Offline (Outreach)	1 Student (K. SreeKanth)
2.	13/09/2021	Visit To Grace Land Senior Living Care (Bowenpally)	Offline (Outreach)	11 Students (Sneha Domnic Xavier, Jahnvi, Pushpaja, Vyshnavi, Supraja, Supriya,,Athira, Ashish, Sai Kumar, Kathyayani, Shekinah)
3.	14/11/2021	Providing Packaged Food To Old Age Home Residents of "Arya Vyshya Old Age Home" (Shameerpet, Aliabad)	Offline (Outreach)	1 Student (A.Sai Sri)
4.	23/12/2021	"Each One Teach One" (Offline Explanation for Students Attending Online Classes)	Offline (Out Reach)	1 Student (M.BhavyaSree)

		(Khammam)		
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5.	27/12/2021	Blanket Distribution to Poor People (Kothagudem Bus stop)	Offline (Outreach)	5 Students (D.Anuradha, A.SaiSri,R.Vyshnavi,N.Sai Kumar, B.Kowmudhi)
6.	03/01/2022	Mask Distribution To Self Employed People (Mancherial)	Offline (Outreach)	2 Students (D.Kathyayani, Keziah Jennifer)
7.	16/01/2022	Food Donation AtLeelavathi Charitable Trust (Pulivendula, Kadapa Dist.)	Offline (Outreach)	1 Student (N.Rohini)
8.	19/01/2022	Book Donation At Old Alwal Library	Offline (OutReach)	1 Faculty, 4 Students (V.V.S Chalapathi Rao ,HOD, Biotech Dept)  (M.Ashish, G.Anusha,K.SreeKanth, B.Kowmudhi)
9	21/01/2022	Food Donation to Poor People & Government Hospital	Offline	1 Student (T. Baby Kirthana )
10	06/02/2022	Providing FoodTo the Children of “AYUSHA NILAYAM”	Offline	1 Student (A.Pranati)
11.	16/02/2022	Food Donation Through “Give India Foundation”	Online	1 Student (M . Anil Kumar)

## 1 .Biotechnika

Date: 06<sup>th</sup> march,2021

Medium: online course

Duration: 14 days

No of participants:15

Theme: PCR Technique

Objective:

The biotecnika is the website which provides the information about jobs and opportunities. It also provides the several online certificate courses. Certificates were awarded to S.SriNavya ,Athira Mathew and few others belonging to M.Sc Biotechnology who did a 14 days training on PCR technique.



## 2.GHMC- SWIFT ( SOLID WASTE MANAGEMENT):

Date: 10<sup>th</sup> May, 2021

Medium: online course

No of participants:32

Theme: Swachh Bharat – solid waste management

Objective:

Solid waste management is an online course conducted by GHMC – swift(e learning services). It is an interactive course which involves all the process in managing solid waste with animated videos and images.



### **3. Ganga quest**

**Date: 10<sup>th</sup> may, 2021**

No of participants:25

**Medium: National level Online e – quiz sponsored by GAOVT.Of India.**

**Theme: Flora/ Fauna and pollution in water treatment technology.**

**Objective:**

Ganga quest is an online quiz on Ganga being conducted by National mission for clean ganga (NMCG). The main feature of this quiz is to bring awareness and knowledge on how our river ecosystem adapts sustainable life style.





Medium: online course

No of participants:02

Theme: COVID-19 Contact Tracing

Objective:

Johns Hopkins conducted an online certificate course on COVID-19 contact tracing. We have done this course successfully and learnt many things regarding covid-19 .



## 6. Health Emergencies Program-conducted by WHO

Date: 27<sup>th</sup> may,2021

Medium: online

No of participants:01

Theme: Guidance on mask use in the context of COVID-19 &  
COVID-19 vaccine specific resources  
SARS-CoV-2 antigen rapid diagnostic testing

Objective:

Health emergencies program conducted an online certificate course on COVID-19 vaccine specific resources and Guidance on mask use in the context of OVID-19 organized by World Health Organization.





## **7. World Environmental Day Pledge-2021(online)**

Date:5<sup>th</sup> June ,2021

Medium: online Activity

No of participants:38

Theme: **Environmental Pledge on World Environmental Day Conducted by Govt.of Telangana.**

Objective:

On World Environmental Day-2021 we have done a pledge. Also planted trees as a passing challenge among our MSc. Biotechnology students. As all of us recorded the pledge video and planting video. It is an amazing act done by everyone from our class.



Ministry of Environment,  
Forest and Climate Change  
Government of India



## TELANGANA STATE NATIONAL GREEN CORPS

Environment, Forests, Science and Technology Department  
Government of Telangana

### World Environment Day - 2021 Environmental Pledge

This is to Certify that

**Thumati Supriya**

of \_\_\_\_\_ Class \_\_\_\_\_ School

\_\_\_\_\_ District has taken "**Environmental Pledge**" and committed to put all sincere efforts to conserve the environment by adopting green good deed practices in every sphere of life on the Occasion of **World Environment day - 2021** organised by the **Telangana State National Green Corps**.

**Dr.M.S.SATYANARAYANA RAO**

**Director**

Telangana State National Green Corps



## **8. Online e-QUIZ Competition on” Ecosystem Restoration”(national level)**

Date: 5<sup>th</sup> June, 2021

Medium: online

No of participants:01

Theme: Ecosystem Restoration

Objective:

National level online quiz was organized on the theme Ecosystem Restoration on the occasion of world environment day by Abhignya Biotechnology Consultants.



## DEPARTMENT ACTIVITIES FOR ACADEMIC YEAR ( 2021-22)

DEPARTMENT ACTIVITY : I (e- QUIZ)

### **NATIONAL LEVEL ONLINE QUIZ COMPETITION “QRIOSITY”- ENVIRONMENTAL BIOTECHNOLOGY.**

**Date: 4<sup>th</sup> to 5<sup>th</sup> June, 2021**


**Medium: online**

No of participants:452

**Theme:National Level e-quiz on qriosity @ environmental biotechnology**

**Objective:**

In This National Level e-quiz ,students from various states have been participated conducted by Department of M.Sc. Biotechnology of Loyola Academy.



**Loyola Academy Degree & PG College**  
 (Autonomous and Affiliated to Osmania University)  
 (A College with Potential for Excellence by UGC)  
 (Reaccredited by NAAC with "A" grade (11 cycle))

**National Level Quiz on**  
**QUIRISITY @ ENVIRONMENTAL BIOTECHNOLOGY - 2021**

Organized by the Department of M.Sc. BIOTECHNOLOGY  
 Direct Application is available from **4<sup>th</sup> to 5<sup>th</sup> June 2021**

**Note:** E-certificate will be provided to participants scoring minimum 50% & above  
 Spot registration starts from **June 4<sup>th</sup> and 5<sup>th</sup>**

**Eligibility of participants:** U.G. & P.G. life sciences, B.Tech., M.Tech biotechnology students

**Organizing Staff:-**  
 V.V.S Chalapathi Rao : 7893135832  
 Dr.Ch Sirisha : 9441420977  
 Mrs. D. Gurudevi : 9849693056  
 Mrs. S. Dhavala : 9551253429

**Chief Patrons**  
 Rev.Fr.Dr.P.Anthony SJ  
 Principal, LA  
 Rev.Fr.Dr.L. Joji Reddy SJ  
 Vice Principal (PG) LA  
 Rev.Fr.Anand Kumar SJ

**Organizing student:-**  
 G.V. Shriya Reddy :

\* **THE TOTAL NUMBER OF PARTICIPANTS :- 452**

\* **THE TOTAL NUMBER OF PARTICIPANTS QUALIFIED :- 362/452**

TOTAL NUMBER OF PARTICIPANTS FROM DIFFERENT PLACES ARE :-

NAME OF THE PLACE/STATE	NUMBER OF PARTICIPANTS
LOYOLA ACADEMY , HYDERABAD	110
TELANGANA	256
ANDHRA PRADESH	09
TAMIL NADU /BANGLORE/ KARNATAKA	61
BIHAR	03
CHATTISGARH	02
GUJARAT	07
HARIYANA	01
MADHYA PRADESH	05
MAHARASHTRA	08

MANIPUR	01
MEGHALAYA	01
RAJASTHAN	03
UTTAR PARADESH	03
UTTARAKHAND	01
WEST BENGAL	01

**THE ORGANISING STAFF FOR THIS NATIONAL LEVEL E-QUIZ :-**

- **V.V.S .CHALAPATHI RAO ( HOD M.SC BIOTECHNOLOGY)**
- **DR. CH. SIRISHA**
- **MRS.D. GURUDEVI**
- **MRS .S. DHAVALA**

**DEPARTMENT ACTIVITY II(FDP)**

**INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON  
RECENT TRENDS IN TRANSFORMING LIFE  
SCIENCE-FOCUS ON ACADEMIA & INDUSTRY SYMBIOSIS**

**10.UGC Stride Workshop On Basic &Advanced Molecular  
Techniques(faculty FDP PROGRAM)**

Date: 07<sup>th</sup> June, 2021 to 11<sup>th</sup> June, 2021

Medium: Online

Duration: 5 days

No of participants :32

Theme: Workshop on Basic and advanced molecular techniques

Objective:

Mizoram university, Aizwal, organised UGC stride, workshop on “Basic and advanced molecular techniques”. We’ve learned about some molecular techniques which are useful for our academics.

Participants :64 STUDENTS &6 FACULTY MEMBERS



## **STUDENT PARTICIPATION & ACHIEVEMENTS AT NATIONAL LEVEL COMPETITIONS (2021-22)**

### **11. National level online quiz competition by Modern Institute of Technology**

**Date: 19<sup>th</sup> June, 2021**

**Medium: Online**

**No of participants :17**

**Theme: Awareness on sickle cell disease on the occasion of World Sickle Cell Day**

**Objective:**

Modern Institute of technology organised a national online quiz competition on ,  
“Awareness on sickle cell disease” on the occasion of World Sickle Cell Day.



**12. National level online quiz competition by Modern Institute of Technology:**

**Date: 26<sup>th</sup> September, 2021**

**No of participants:10**

**Mode: online**

**Theme: Awareness on the Indian history and Independence Day of India.**

**Objective:**

Modern Institute of technology organised a national online quiz competition on, Awareness on the Indian history and Independence Day of India on the occasion of Independence day of India.



### 13. National level Rasthagaan Event Conducted by Govt.of India

**Date:** 15<sup>th</sup> August,2021

**Medium:** Online

**No of participants:**01

**Theme:** Azadi ka Amrit Mahotsav

**Objective:**

Rasthragyan was an initiative by the Ministry of Culture, to mark “Azadi ka amrit Mahotsav” and S. Swathi from M.Sc. Biotechnology has participated and achieved a participation certificate.



#### **14. National level online quiz competition by Modern Institute of Technology:**

**Date: 15<sup>th</sup> august, 2021**

**Medium: online**

No of participants: 11

**Theme: Awareness on the health of environment of the earth**

**Objective:**

Modern Institute of technology organised national online quiz competition on “Awareness on the health of environment of the earth” on the occasion of “World environmental health day”.



**15. DPARTMENT INTERNATIONAL FDP PROGRAM:  
On “Recent Trends in Transforming lifesciences - focus on  
Academia industry symbiosis”**



*International Faculty Development Programme (Virtual) on*

## RECENT TRENDS IN TRANSFORMING LIFE SCIENCES - FOCUS ON ACADEMIA & INDUSTRY SYMBIOSIS

*13th-18th September 2021*

**Organized by**  
Department of Biotechnology, Nizam College(A), Osmania University, Hyderabad

**Co-Organized by**  
Department of Biotechnology, Govt City College(A), Hyderabad  
Department of Biotechnology, Loyola Academy (A), Hyderabad

**Knowledge Partners**



**Supported by**

DURATION: 13<sup>th</sup> to 18<sup>th</sup> September 2021

Mode : ONLINE through Zoom platform.

No of participants:04

ABSTRACT:

The faculty of MSc. Biotechnology department have participated in this One week(13<sup>th</sup> to 18<sup>th</sup> September 2021) International interdisciplinary FDP program to empower their concerned field of research by exposing them to the latest concept ,innovations and applications of life sciences. This program is organized by Department of Biotechnology, NIZAM College(A), Osmania University, Hyderabad .

CO-ORGANIZED BY: Department of Biotechnology, Govt City College(A), Hyderabad

Department of Biotechnology , Loyola Academy (A), Hyderabad

OBJECTIVE:

To know about the basic sciences translational applications in the field of life sciences academia & industry .

SPEAKERS:

● DAY-1:

SPEAKER: Dr. Gopal Sirasani

THEME: Technical session

TITLE: A perspective on importance of collaboration between industry & academic institutions.

CONTENTS COVERED:

Dr. Gopal Sirasani highlighted the importance of Biocompatible organic reactions using microbiologically generated reagents and also Natural Synthetic products in Medicinal chemistry applications.

● DAY-2:

SPEAKER: Prof. ReddannaGaru

THEME: Applied Biosciences

TITLE: Higher Education Institutions- Importance

CONTENTS COVERED:

Higher education importance as part of National agenda in Transforming the nation into knowledge based economics, NEP policy, & also shared his significant growth in higher education & growth of industries.

● DAY-3:

SPEAKER: Dr. PasupuletiVisweswara Rao garu

THEME: Bio-Medical sciences

CONTENTS COVERED:

The importance of industries in Biomedical research & innovations of Global scenario. Role of Natural products & Nano-material in treating certain diseases his lucid presentations.

- DAY-4:

SPEAKER: Dr. Yeong Yeh Lee garu

THEME: Microbiome sciences

CONTENTS COVERED:

Illustrated his research ideas on Gut Micro biota, Gut brain axis, Disorders of disrupted Microbiota Gut brain Axis & potential therapeutic applications.

- DAY-5:

SPEAKER: Dr. Ratnakar.P

THEME: Artificial Intelligence in Life sciences

CONTENTS COVERED:

Enlightened with the applications of Intelligence in various areas of Life sciences .

- DAY-6:

SPEAKER: Dr. Asadulghani

THEME: BioSaftey& Biosecurity

CONTENTS COVERED:

Illustrated about how to asses Biological risk, Biosaftey& Biosecurity concerns in different areas of Biotechnology, Transforming life sciences industry outlook in 2021.

- We would like to thank our speakers and to the team of FDA for this wonderful programme -where we enhanced innovative thinking & scientific temper towards translational research with industry.

**INSPIRE SESSION I :INTERACTION SESSIONS WITH  
ALUMNII STUDENTS**



**ALUMNII RAKSHITH working at (BIOLOGICAL Ltd.)Speaking to students**

No of participants: 37

MODE :OFFLINE

The interaction session with Mr. RAKSHITH (super senior) on 26<sup>th</sup> October 2021, who is working in BIOLOGICAL E. LIMITED-Biotechnology company with 4,00,000/-PA. As he discussed about placements in our college and the importance of doing each & every Experiments in college labs. Also said to follow our faculty and what we are doing here will be pulse point to get job in good companies.

## **INSPIRE SESSION:II**

**NO OF PARTICIPANTS: 37**

**MODE :OFFLINE**



Another interaction session with our recently passed out seniors –**ALUMNII** of three members on 6<sup>th</sup> November 2021. **Ms. Priyanka (working as JUNIOR SCIENTIST)** said the **importance of doing right project in final semester**. And we have to work hard in doing labs , mainly to know about basic things which are thought here by our faculty.

We would like to thank our **VVS.CHALAPATHI RAO SIR – HOD OF BIOTECHNOLOGY** for this wonderful interacting sessions to know about job opportunities and value of lecturer words.

## **INSPIRE SESSION:III**

**Date :16/02/2022**

**MODE : OFFLINE**

**NO OF PARTICIPANTS: 36**

**Place: Loyola Academy, Old Alwal**

We the students of NMBT(2022) with the Encouragement of HOD ( V.V.S Chalapathi Rao) and Dhavala Ma'am had an **Interactive Session With T.Manasa(Alumna of Biotechnology 2019-2021) who is Currently Working as a Lab Manager at Agri Biotech(Hyderabad).**

She shared her Experiences Working in Agri Biotech, how to approach an Institute for Projects, Laboratory Guidelines and Clarified our doubts Regarding the Jobs and Projects In Biotechnology

### **Learning Outcomes:**

We came to Know How to approach Institutes for projects & Internships  
The Complete Application Process of Institutes

**Interactive Session With T.Manasa ( Lab Manager - Agri Biotech)**



**16/02/2022**

**INSPIRE SESSION WITH ALUMNII MANASA**

# **ISITAI FEBRUARY 21-28TH 2022 INTERNATIONAL SEMINAR INTERDISCIPLINARY TRENDS IN ARTIFICIAL INTELLIGENCE**

Loyola Academy celebrated this year's National Science Day by conducting an international online webinar titled "International Seminar on Interdisciplinary Trends in Artificial Intelligence" from 21<sup>st</sup> – 28<sup>th</sup> February 2022. It was conducted by all the 7 PG Departments.

On 25-02-2022 Department of Biotechnology conducted the ISITAI webinar based on the theme "Environment and Sustainability".

The session began with the MC, A. Sai Sri, welcoming the principal, vice-principal, Dean and faculty members and all the participants followed by HOD, Mr. VVS Chalapathi Rao, introducing about the Department.

The first speaker of the Day Dr. Harikanth Porika gave an insightful lecture about "Plant bioregulators in sustainability of fruit production". He also covered about the need to use Plant Bioregulators, Canopy management, Fruit drop, Shelf-life and Post-harvest quality.

The second speaker of the day Dr. Jagadeesh Yeluripati gave an informative lecture on "Digital Agriculture- a solution to feed sustainably". He greatly emphasized on need for sustainable agriculture. He also covered about climate change and its impact on role of agriculture, Mechanism of greenhouse gas emissions from crop lands and role of digital technologies in mitigating climate change.

Our special guest Rev. Fr. Dr. Maria Packiam SJ, director and scientist, entomology research Institute, Loyola academy, Chennai gave an illustrative presentation on Nuclear Technology in insect pest management.

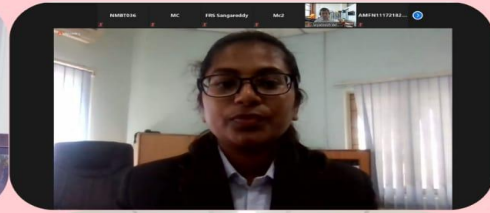
The last segment of the session was Presentation by NMBT students

1. K. SAI NIKHITHA and S. SRINAVYA on “Artificial in intelligence(AI) in COVID-19”
2. A. SAI SRI and D. ANURADHA on “Artificial Intelligence in Dermatology”
3. SNEHA DOMNIC XAVIER on “Artificial Intelligence in Biology, Augmenting not Replacing”

At the end conclusion remarks were givenby Mrs S Dhavala and ending remarks by Rev. Dr. Ch Anand Kumar SJ and Vote of Thanks was proposed by Athira Mathew.

The session ended with National Anthem.

# ISITAI Seminar



**25/02/2022**

**ISITAI INTERNATIONAL SEMINAR 2022 (FEBRUARY 21-28<sup>TH</sup>)**

## Guest Lectures

<b>S.No</b>	<b>Date</b>	<b>Title/Subject</b>	<b>Offline/Online</b>	<b>No Of Participants</b>
1.	17/07/2021 -18/07/2021	Microbiology Guest Lecture by Sowmya	Online	40 Participants
2.	26-10/2021 - 30/10/2021	Biostatistics & Research Methodology Guest Lecture by Mrs.Avaneesha	Offline	35 Students

**DEPARTMENT ACTIVITY III GUEST LECTURES**  
**GUEST LECTURE - I BY SOWMYA**

**PRESENTED ON :** 17<sup>th</sup> July 2021 and 18<sup>th</sup> July 2021

**MODE OF PRESENTATION:** ONLINE (WEBEX)

**PRESENTED TO:** AMBT Students of LOYOLA ACADEMY (2020-22 BATCH)

**No Of Participants : 40**

**SPEAKER:** SOWMYA, Research Asst CCMB, Hyderabad

**ABSTRACT:**

**Mrs. Sowmya**, Alumnii of Loyola Academy Who is Currently Working At CCMB(CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY) Presented An Online Seminar On The Topic Microbial Genetics, UNIT-5 Of MICROBIOLOGY ( I YEAR- I SEM). The Seminar Was Presented For 2 Days ( 17<sup>th</sup> and 18<sup>th</sup> July 2021) Through Webex App

**CONTENTS COVERED:**

- 1 .Transformation: Competence Factors, Mechanism Of Transformation, Conjugation
2. Structure of F-Plasmid, Mechanism Of Transfer Of F- Plasmid, HFR- Recombination
3. Mechanism Of Integration Of F- Plasmid Into Bacterial Chromosomes, Circularization Of Chromosomes
4. Transduction: Generalised Transduction – Lysogenic & Lytic Cycle
5. Example ,Structure& Replication Of T2 Bacteriophage
6. Specialized Transduction- Structure of Lambda Phage, Mechanism And Integration Of Lambda Bio and D- gal

## 7. Structure & Replication Of Lambda Phage.

### LEARNING OUTCOMES & FEED BACK:

Students Were able to Understand the Different Types Of Reproduction Mechanisms In Bacteria. They Were Able to Differentiate Between Different Types of Reproduction Mechanisms and also the Two Different Transduction Cycles Of Bacteriophage, they came to know About Different Experimental Proofs For Reproduction Mechanisms in Bacteria And About The Types Of Transduction Mechanisms.

The Online Session Was Good and Mrs. Sowmya has Put All Her Efforts With Her Teaching Skills and Subject Knowledge in Making The Students Understand The Topics With Her Explanation & Presentation

The collage consists of several elements:

- Top Left:** A diagram illustrating bacterial conjugation. It shows a donor bacterium (containing an F factor) and a recipient bacterium. The process involves the formation of a sex pilus, the transfer of a copy of the F factor, and the replication of a single strand in the recipient cell.
- Top Right:** A screenshot of a Zoom meeting grid showing multiple participants in a virtual classroom setting.
- Middle Left:** A video feed of Mrs. Sowmya, the instructor, speaking during the session.
- Middle Right:** A diagram of the Davis U-tube experiment. It shows two U-tubes. The left tube has a porous cotton plug at the top, allowing for mixing of media between two acrotrrophic strains (A and B). The right tube has a fine filter at the top, preventing mixing. Both tubes are plated on minimal medium, showing no growth in either case.
- Bottom Right:** A screenshot of a presentation slide showing a blue circular diagram, likely related to the lambda phage mentioned in the title.

*Mrs. Sowmya Presenting About Mechanism Of Conjugation And Transduction*

## **GUEST LECTURE :II**

### **Mrs. AVANEEJA ON BIOSTATISTICS**

**PRESENTED ON:**26<sup>th</sup>,27<sup>th</sup>, 29<sup>th</sup>and 30<sup>th</sup>of October 2021(4 days i.e; 12hrs)

**MODE OF PRESENTATION:** Offline class(in LOYOLA ACADEMY)

**PRESENTED TO:** AMBT students of LOYOLA ACADEMY (2020-2022 batch)

**No Of Participants : 35**

**SPEAKER:**Mrs.Avaneeya,Senior Faculty Saifabad pg.college,Hyderabad

**Mrs. AVANEEJA,(specialist in BIOSTATISTICS)**who is currently working as a Biotechnology lecturer at UNIVERSITY COLLEGE OF SCIENCE,SAIFABAD presented an Offline class on the topic **STATISTICAL INFERENCE OF QUALITATIVE AND QUANTITATIVE VARIABLES**,UNIT-3 of BIOSTATISTICS ( I YEAR-II SEM ). The lecture for about 4 days i.e;26<sup>th</sup>,27<sup>th</sup>,29<sup>th</sup> and 30<sup>th</sup> of October 2021 afternoon sessions of 3 hrs each day (12hrs) in the AMBT class of PG block,LOYOLA ACADEMY.

#### **CONTENTS COVERED:**

1. Concept of test hypothesis
2. Chi-square test
3. Z test for mean
4. T test For mean
5. Analysis of variance and co-variance
6. Correlation and Regression coefficients  
Also covered few topics from INTRODUCTION TO BIOSTATISTICS i.e;  
UNIT -I
7. Graphical representation of data
8. Sampling
9. Non random sampling method

## OUTCOMES OF GUEST LECTURE II

Students were able to understand the concept of test hypothesis. They were able to solve the problems on Chi Square test, Z test , T test and also they can easily solve different kind of problems on QUALITATIVE AND QUANTITATIVE VARIABLES. Within 4 days of 12 hrs students worked on almost all kinds of problems which are covered in unit-3. students were able to differentiate



different types of graphs and analyze them.

### FEED BACK:

The Offline class of BIOSTATISTICS was Good and Mrs. AVANEEJA has put all her efforts with her teaching skills in problems solving and analyzing the questions based on the topic and make students understand in a better way. she made students to do the problems in their own way by giving homework and encouraging students in the class for doing problems by discussing.

## ***STUDENT ACHIEVEMENTS:***

### ***NMBT STUDENTS PUBLICATIONS(2021-22)***

Name of the student -A.Sai Sri,NMBT

#### **1. Poems Published in Anthologies-**

*By SAISRI*

- **Poem publications in Anthologies**
- **Number of poems published-3**

#### • **TITLE OF THE BOOK:**

##### **1. Quarantine musings**

- Poem title- let's write a new manuscript
- Publishing house- The write order
- A book from the youth of India

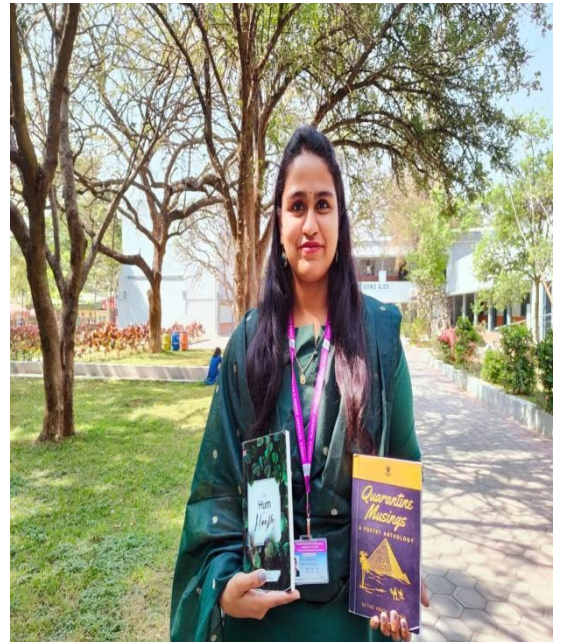
##### **2. Hum of the mayfly**

- Poem titles-

##### **1. The night**

##### **2. A patriot in a golden casket**

- Both the books are available on online platforms such as Amazon and flipkart.
- Books available in both paper backup and ebooks.





# Poem publications in an anthology "QUARANTINE MUSINGS"

Let's Write A New Manuscript  
-Saisri Akavaram

The perpetual insanity  
The mended treachery  
Amongst our race is heredity  
That's Our normalized humanity

The subtle acceptance of mediocrity  
The disillusion happening life, is a self-imposed tyranny  
what delusional beliefs caused the irony?  
Disrupted the harmony

Isn't earth already human kind infected?  
Isn't the truth openly dissected?  
Then why crave the people's veneration  
Why crave the validation

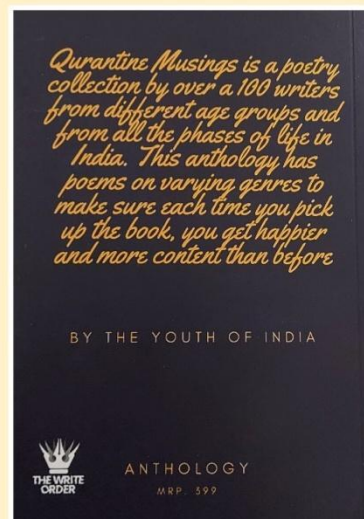
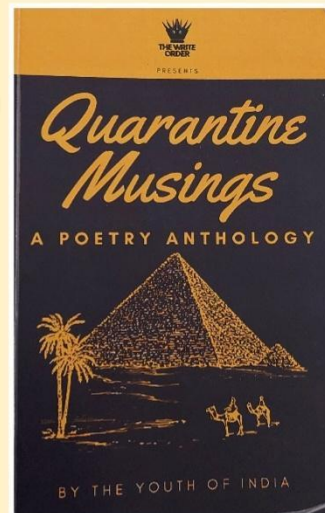
Isn't the time volatile?  
Then, Why The pretentious subtlety  
Forever longing for tranquility  
Why so stubborn, is it how we born?

Isn't the mundane existence  
of sapiens the reality?  
But why so bizarre and bare  
Opinion, on the rare

Isn't death inevitable?  
Then why care the passing facts from phylogeny  
Then forced induction to progeny  
Why no shunning the source and shutting the door

Isn't universe every day new  
Then Why embodying the old tradition

38



When you know all it caused is, the tension  
Why no unlearn the pattern

Can't we engrave a new manuscript  
Can't we sculpt a modern inscript  
Before we meet the incurable  
What we call unstoppable... death



## 2.Poems Published in National Level Poetry

By D.ANURADHA

### Participation and publication of poems in national level poetry contests

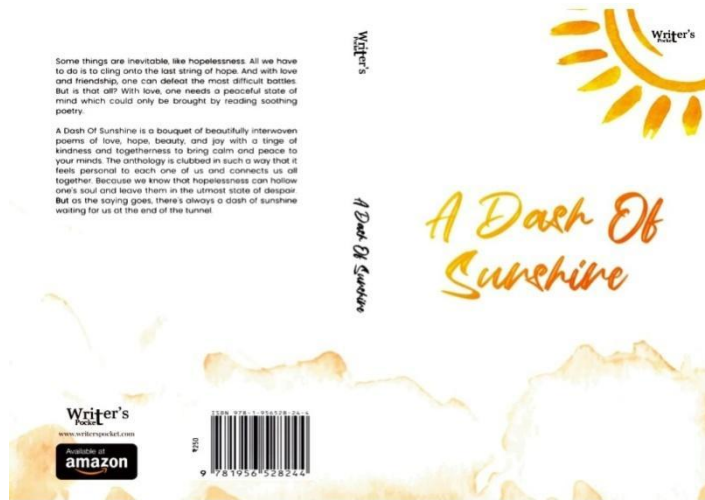
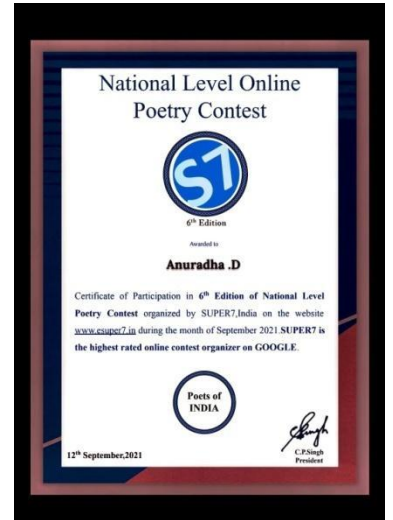
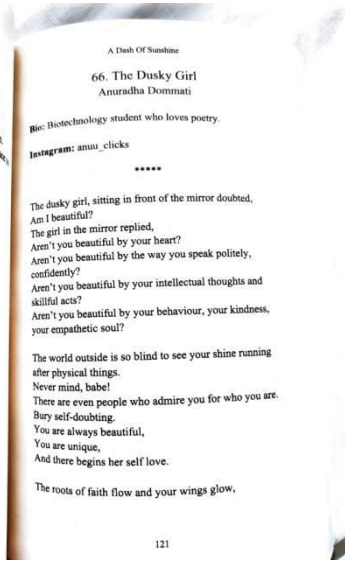
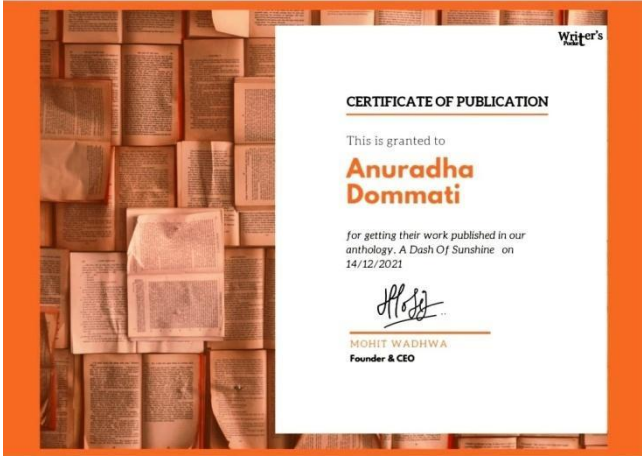
1. Certificate of publication in the anthology " A Dash of sunshine" on 14/12/2021  
Number of poems published : 2  
Name of the book: A Dash of sunshine  
Name of the student : D.Anuradha  
UID number: 111720516007

2. Certificate of participation in national level online poetry contest organized by SUPER7 poetry in the month of September 2021 . SUPER 7 is the highest rated online contest organizer on Google.

3. Certificate of appreciation for securing a place among top 100 poets of India in 6th national level poetry contest organized by SUPER7.

4. Certificate of Participation in national level poetry contest organized by evocative emotions - 20/11/2021





## **STAFF ACHIEVEMENTS:**

### **Rev.Fr.Dr.L.Joji reddy SJ**

1.Rev.Fr.Dr.L.Joji reddy SJ is appointed as principal of Loyola academy on July 15<sup>th</sup> 2021.

2.He was awarded Innovator educator award for 2021.

3.He received an award for college NIRF Ranking 2020-21.

Participations:

4.As principal participated in Cluster colleges policy meeting conducted by Higher education council ,Telangana.

5.He participated in a seminar at Bhuwaneshwar in November 2021 about Jesuit higher education ,India .

He is instrumental to get in to an MoU for PG Organic chemistry Dept.With CSIR ,Institute ,Bhuwaneshwar .

### **Research Activities:**

1.Applied a project Kalpin poly(q)coaggregation stimulation of ER stress signals and Activation pf Caspase 12 to find out for Nuerodegenerative Disorders.

2.Molecular charecterisation of Sub unit II to study about Mycobacterium tuberculosis and its inhibitors.

## **Dr.Ch.Sirisha**

### **Achievements & Research publications from June 2021 to May 2022**

<b>S. No</b>	<b>DATE</b>	<b>NAME OF THE FDP/ WEBINAR / WORKSHOP Attended; PAPERS Presented</b>
1	7 <sup>th</sup> June to 11 <sup>th</sup> June 2021	Dr. Ch. Sirisha has participated in the UGC STRIDE Workshop on “Basic and Advanced Biochemical Molecular Techniques” Organised by Mizoram University, Aizawl, Mizoram.
2	14 <sup>th</sup> June 2021	Dr. Ch. Sirisha, appointed as Subject Expert for Board of Studies Govt. City College (Autonomous), Hyderabad.
3	19 <sup>th</sup> June & 20 <sup>th</sup> June 2021	Dr. Ch. Sirisha has participated in the “Mushroom Practical Training” Workshop Organised by Rural Technology Park, National Institute of Rural Development & Panchayat Raj, Rajendra Nagar, Hyderabad.
4	30 <sup>th</sup> June 2021	Dr. Ch. Sirisha has participated in one day International online Workshop on “wildlife & Biodiversity Conservation” Organised by Society for Environment and Sustainable Development, New Delhi.
5	26 <sup>th</sup> to 30 <sup>th</sup> August 2021	Dr. Ch. Sirisha has participated in International 5-Day Virtual Faculty Development Programme on “Innovative Research Techniques” Organised by Research Committee and IQAC, Loyola Academy, Secunderabad

6	13 <sup>th</sup> to 18 <sup>th</sup> September	Dr. Ch. Sirisha has participated in a week long International Virtual Faculty Development Programme on “Recent Trends in Transforming Life Sciences- Focus on Academia & Industry Symbiosis” Organised by Department of Biotechnology Nizam College, Osmania University in association with Govt. City College and Loyola Academy, Secunderabad
7	14 <sup>th</sup> September	Dr. Ch. Sirisha Published a paper title “Impact of COVID-19 Pandemic on Online Education in and around Secunderabad, Telangana” in Impact of COVID-19 on Indian Business & Commerce, ISBN 978-93-90631-61-2, Paramount Publishing House,Hyderabad, Page no. 54-66.
8	23 <sup>rd</sup> September 2021	Dr. Ch. Sirisha has participated in webinar on “Central Dogma, Gene silencing & Microbiomes” Organised by Department of Zoology & Botany, Andhra Loyola Academy, Secunderabad.
9	28 <sup>th</sup> to 30 <sup>th</sup> September 2021	Dr. Ch. Sirisha has participated in 3-day National webinar on “Recent Trends in Agricultural Biotechnology” Organised by Agri Biotech Foundation, PJTS Agricultural University Campus, Rajendranagar, Hyderabad.
10	Edition:December -2021	Dr. Ch. Sirisha Published a paper title “DNA Fingerprinting of CMS, Restorer, Maintainer Lines of Hybrid Rice” inInternational Journal of Bio-Technology and Research (IJBTR); ISSN

		(Online): 2249-796x; ISSN (Print): 2249-6858; Impact Factor(JCC) (2020): 6.6584; Index Copernicus Value (ICV) - (2016): 61.5; Naas Rating: 3.80; Vol - 11, Issue - 2; Edition: Dec-2021
11	Edition:February-2022	Dr. Ch. Sirisha Published a paper title “An Impact of Mass Media and Social Media Utility by Agricultural Scientists for Promoting New Varieties of Agriculture”at Two Day National Seminar ProceedingsonRole of Skill Development Through Employability & Nation Building by Paramount Publishing House, Hyderabad, ISBN : 978-93-90631-42-1Page no. 9-28



## UGC STRIDE Program (Component - I)

[File Number: F.2-2/2019 (STRIDE - I) dated 3/12/2019]

Mizoram University, Aizawl - 796004, Mizoram, India

This is to certify that [Dr. SIRISHA CHITTALA](#), Associate Professor, Loyola Academy, Secunderabad, bearing Roll Number: **222**, has actively participated in the UGC STRIDE Workshop on “**BASIC AND ADVANCED MOLECULAR TECHNIQUES**” held from 7<sup>th</sup> June, 2021 to 11<sup>th</sup> June, 2021 at the Mizoram University, Aizawl, Mizoram and obtained grade A.

Prof. Lalnundanga  
Registrar

Prof. K.R.S. Sambasiva Rao  
Vice Chancellor

Prof. G. Gurusubramanian  
Course Coordinator



GOVERNMENT CITY COLLEGE, HYDERABAD

(Autonomous)  
Re-Accredited with 'B++' Grade by NAAC  
Affiliated to Osmania University

Tel: 040-24521182 Mobile: 9948 12 17 12 Mail-Id: citycollegehyd@gmail.com

Dr. P. Bala Bhaskar,  
Principal (FAC),

Date : 14.06.2021

To  
Dr. Ch. Sirisha  
Associate Professor  
Layola academy,  
Hyderabad.

Madam,


Sub: Constitution of Board of Studies in Biotechnology – appointed as Subject Expert for Board of Studies Govt. City College (Autonomous), Hyderabad, and Acceptance Requested- Regarding.

The meeting of the Board of Studies in Biotechnology of Govt. City College will be held on 18.06.2021 at 11.00 Am in the College. Hence, you are requested to make it convenient to attend the meeting.

AGENDA:

1. Approval of Syllabus
2. Approval of Model Paper
3. Approval of Panel of Examiners
4. Any other matter

Thanking you,

  
PRINCIPAL  
Govt. City College  
Nayapul, Hyderabad-02



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**Society for Environment and  
Sustainable Development , New Delhi,India**

# *Certificate*

**Of Participation** Proudly Presented To

## **Dr. Sirisha Chittala**

**For participating in the ONE DAY INTERNATIONAL  
ONLINE WORKSHOP ON WILDLIFE &  
BIODIVERSITY CONSERVATION on 30 June 2021**

*Yashpal S. Narwaria*  
**Dr Yashpal Singh Narwaria**  
Secretary

*Sanjay Marale*  
**Dr Sanjay Marale**  
Secretary





# LOYOLA ACADEMY DEGREE & PG COLLEGE

(Autonomous)

Old Alwal, Secunderabad 500010

A College with potential Excellence.

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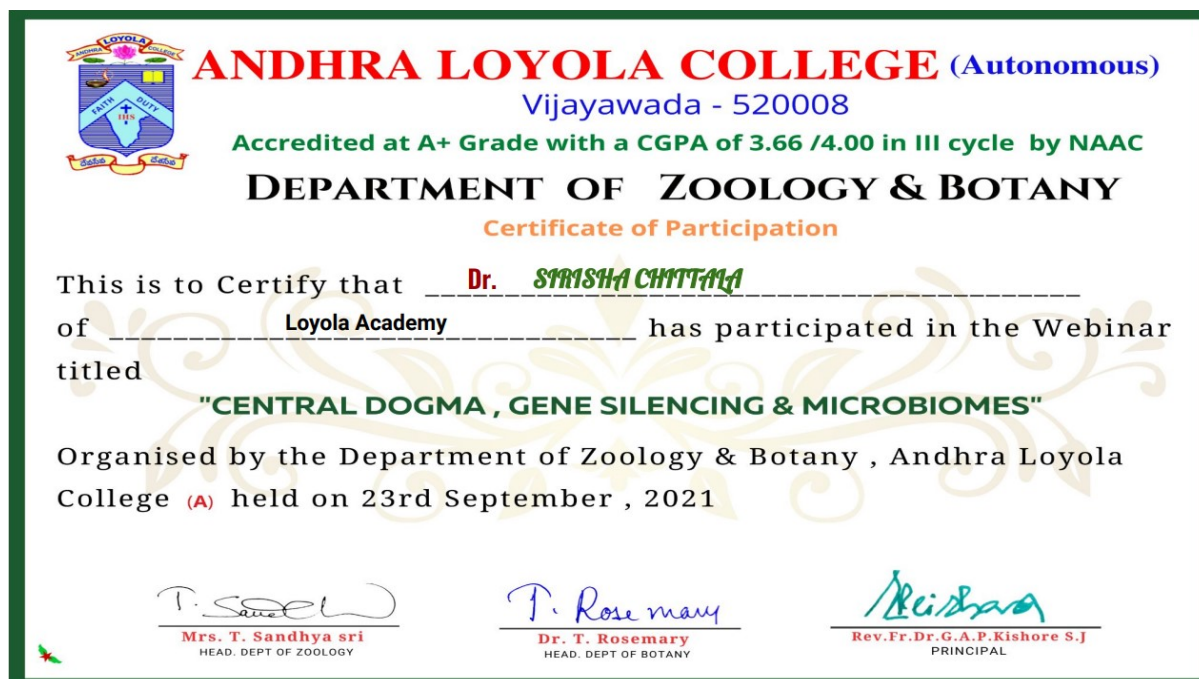
This is to certify that DR. SIRISHA

Of LOYOLA ACADEMY (DEGREE & PG COLLEGE)

is an organizing committee member of International 5 Day Virtual Faculty Development Program on "Innovative Research Techniques" organised by Research Committee and IQAC, Loyola Academy, held during 26<sup>th</sup> to 30<sup>th</sup> August 2021.

Rev Fr Dr. L. Joji Reddy SJ  
PRINCIPAL

Dr. K. Vijayalakshmi  
CONVENER



AGRI BIOTECH FOUNDATION

PJTS Agricultural University Campus,  
Rajendranagar, Hyderabad – 500030, T.S.



# *Certificate*

of appreciation

This is to certify that

*Dr. Sirisha Chittala*

participated in 3-Day National Webinar on “Recent Trends in Agricultural  
Biotechnology” from 28<sup>th</sup> to 30<sup>th</sup> September, 2021.

Director

Co-ordinator



International Journal of Bio-Technology  
and Research (IJBTR)  
ISSN (P): 2249-6858; ISSN (E): 2249-796X  
Vol. 11 Issue 2, Dec 2021, 29-36  
© TJPRC Pvt. Ltd.



## DNA FINGERPRINTING OF CMS, RESTORER, MAINTAINER LINES OF HYBRID RICE

SIRISHA.CH<sup>1</sup> & SRINIVAS NAIK. K<sup>2</sup><sup>ij</sup>

<sup>1</sup>Loyola Academy, Degree & P. G. College, Hyderabad, Telangana, India

<sup>2</sup>Centre for Plant Molecular Biology, Osmania University, Hyderabad, Telangana, India

### ABSTRACT

Rice is the main food crop for more than half of the world population. It has been estimated that the world will have to produce 60% more rice by 2030 than what is produced in 1995 (Yuan L P. 2004). Hybrid rice grows faster, yield more, and resist stress better than either parent (Yuan L P. 2012). So, hybrid rice has been proved practically for many years playing a critical role in solving the food problem by more than 20% yield advantage over improved inbred varieties (Yuan L P. 1996, 1997). *Xanthomonas oryzae* pv. *oryzae* isolates numbering 30 obtained from hybrid lines, their cytoplasmic male sterility (CMS), restorer, maintainer and inbred lines, revealed a greater amount of genetic diversity. Fifteen lineages were detected at a similarity level of 60%. The result emphasizes that these pathotypes are mismatched with the genes, xa-5, xa-13 and Xa-21 suggesting the possibility of pyramiding them for enhancing the resistance in the rice hybrids.

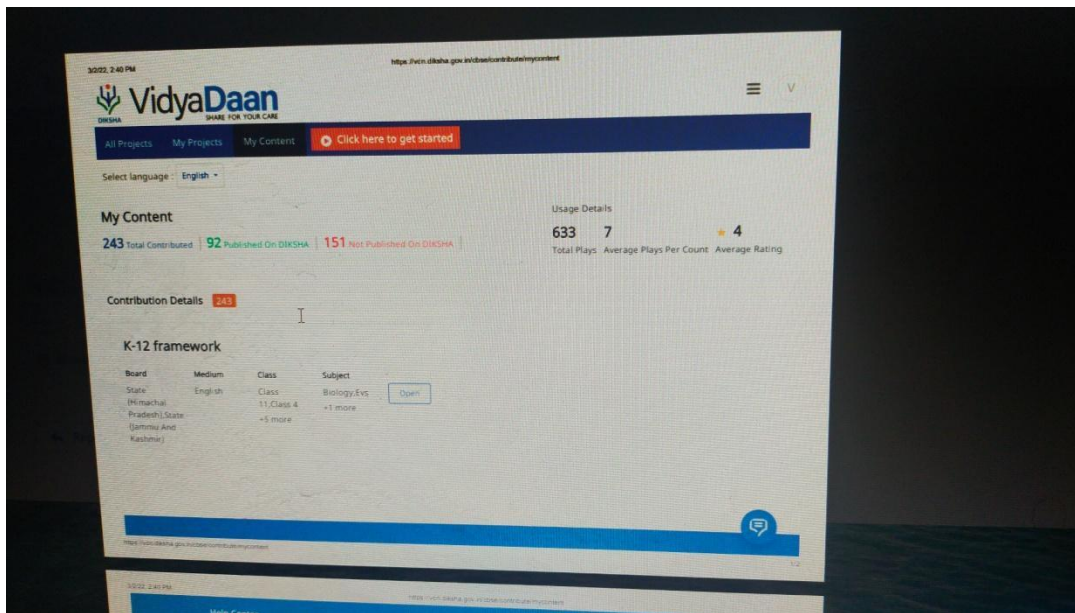
**KEYWORDS:** Hybrid Rice, Bacterial Leaf Blight & DNA Fingerprinting

Original /

## Mr.V.V.S.CHALAPATHI RAO

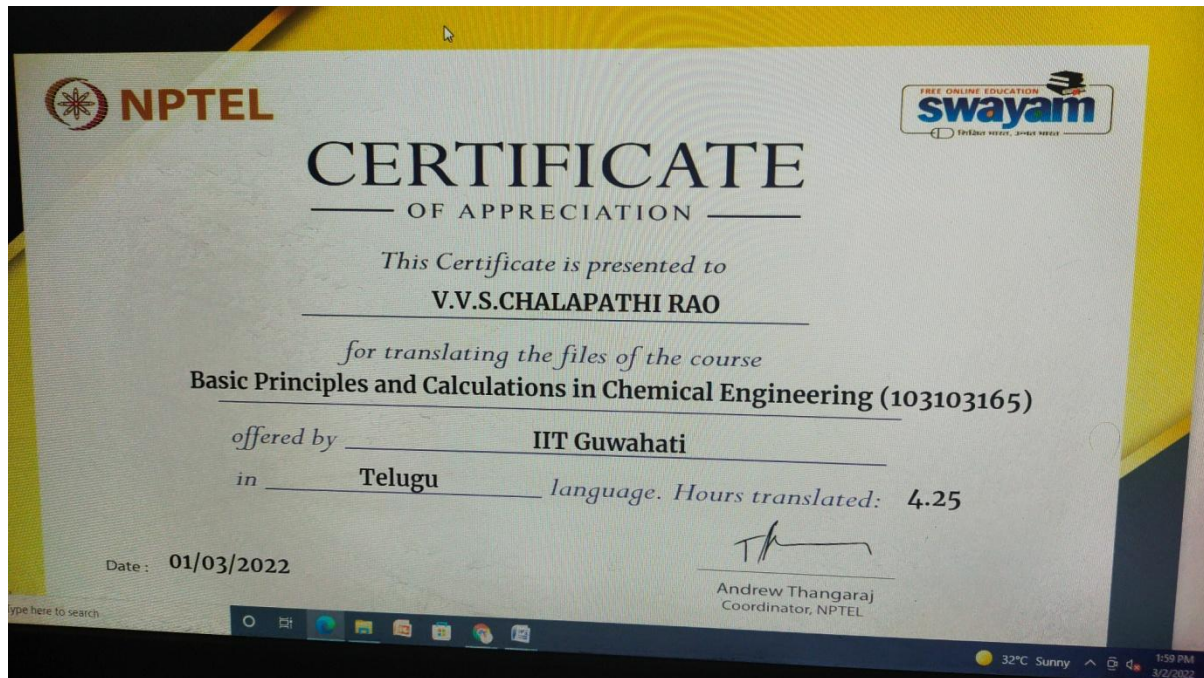
### Achievements:

1.V.V.S.Chalapathi Rao ,Recognised by NCERT as an e-Content contributor for **PM e-vidya Vidyadaan program** Energised Textbooks Class III to Class 12 Of Jammu &Kashmir ,Himachalpradesh,Andrapradesh,Telangana.



### CERTIFIED AS NPTEL TRANSLATOR : 2 COURSES

1. V.V.S.Chalapathi Rao Certified and appreciated by NPTEL(National program for Technology Enhanced learning ) for Translation of NPTEL COURSE 1.Basic principles and calculations of chemical Engineering,IIT Guwahati

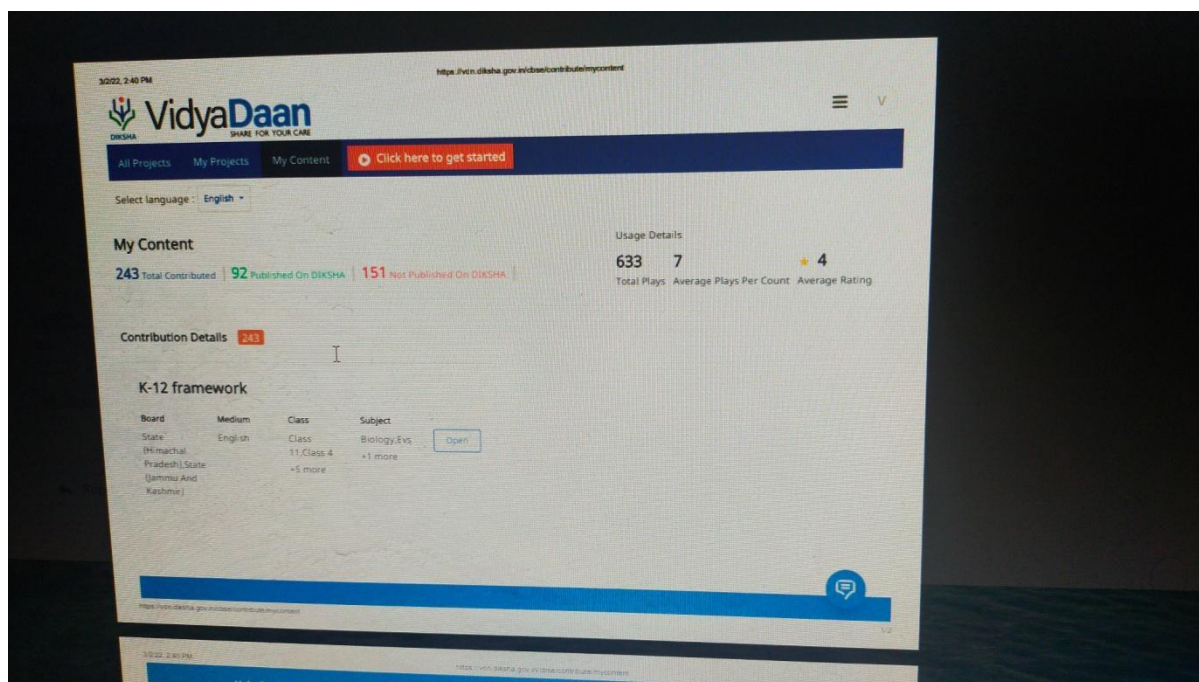


2. V.V.S.Chalapathi Rao Certified and appreciated by NPTEL(National program for Technology Enhanced learning ) for Translation of NPTEL COURSE :**POD Stats-I** ,Offered by IIT Madras



## PUBLICATIONS

1.e-Content is published comprising of videos,Teacher resource materials,Lesson plans,Competency based Questionnaire, for Energised textbooks of NCERT,SCERT A.P , J&K,Himachalpradesh ,Subjects:EVS,SCIENCE,BIOLOGY,HOMESCIENCE Uploaded in DIKSHA WEB PORTAL,Ministry of Education,Govt.of India.



## FACULTY DEVELOPMENT PROGRAMMES

### COMPLETED/PARTICIPATED:

1.V.V.S.Chalapathi Rao attended for **5 day UGC-STIRDE NATIONAL LEVEL WORKSHOP ON" BASIC AND ADVANCED MOLECULAR TECHNIQUES'**by Mizoram university .(7/6/2021 to 11/6/2021)

2. V.V.S.Chalapathi Rao Participated &Completed for **NATIONAL WORKSHOP ON USE AND INTEGRATION OF TECHNOLOGY IMPLEMENTATION OF THE VISION OF NEP -2020** by CIET,NCERT.(9/8/2021-13/8/2021)

3. V.V.S.Chalapathi Rao Attended 5 day FDP ON “TEACHING LEARNING AND RESEARCH PEDAGOGY FOR EXCELLENCE IN EDUCATION” by St.joseph college,Thirucchi.(20/9/21 to 24/09/2021)

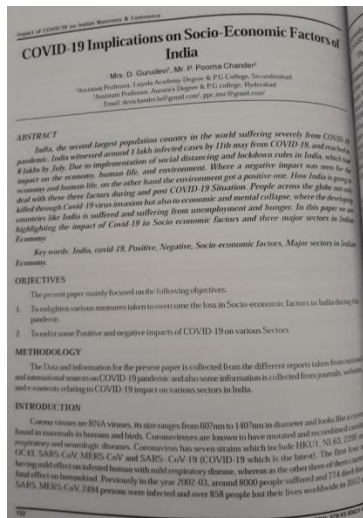
### **Mrs. D. Gurudevi Achievements**

#### **RESEARCH PUBLICATIONS**

Mrs.D.Gurudevi Published a paper

#### **Publications of Staff - Books/ Book Chapters -2021**

<b>Title of the Paper</b>	<b>ISBN No.</b>	<b>Year</b>	<b>Name of the BOOK</b>	<b>Publisher</b>
Covid-19 Implications on Socio-Economic Factors of India	978-93-90631-61-2	2021	Impact of covid-19 on Indian Business & Commerce	Paramount Publishing House



- Certificate of Appreciation from **NPTEL-SWAYAM** as Mentor for **BIOMEDICAL NANOTECHNOLOGY& Cell Culture Technologies** Online Certificate Course for the year 2021 from **Jul-Dec-2021**.
- As a **Resource Person** delivered a **Guest lecture** on the Topic -“**Cell Cycle and Cancer**” On **16/04/2021** for **M.Sc Biotechnology Students** at Jahnvi Degree & P.G College, Affiliated Osmania University, Hyderabad.
- As a **Resource Person** delivered a **Guest lecture** on the Topic -“**Apoptosis and its role in Diseases**” On **17/04/2021** for **M.Sc Biotechnology Students** at Jahnvi Degree & P.G College, Affiliated Osmania University, Hyderabad.

● **Service to Other Colleges from 2021**

S.No	Year		Department & College
<u>1</u>	<u>2021</u> <u>August</u>	Mrs, D. Gurudevi was appointed as Question Paper setter and Evaluator for <b>P. G (Cell biology,</b>	Department of Biotechnology, Govt.City College, Nayapool, Hyderabad.

		Molecular Biology,Medical Biotechnology).	
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● **FDPS Attended-2021-2022**

<b>S.No</b>	<b>Name of the FDP</b>	<b>Organising College</b>	<b>Month/Year</b>
1	Insilico Drug Development 5 day NATIONAL LEVEL FDP	Loyola Academy	May-21
1.	Healthy &Happy Life Style Through Simple Yoga &Pranayama 5 day NATIONAL LEVEL FDP	Lendi Institute of Engineering &Technology	June-2021
2.	Innovative Research Techniques 5 day NATIONAL LEVEL FDP	Loyola Academy	August-202 1
3.	Recent Trends in Transforming Life Sciences – Focus on Academia & Industry Symbiosis. 5 day INTERNATIONAL LEVEL FDP	Nizams College, Govt City College & Loyola Academy,	September-2 021

● **Workshops Attended-2021-2022**

<b>S.N</b>	<b>Name of the Workshop</b>	<b>Organising College</b>	<b>Month/Year</b>
0			

1.	Basics and Advanced Molecular Techniques <b>5 day UGC-STIRDE NATIONAL LEVEL WORKSHOP</b>	Mizoram University	June-21
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● **Conferences/Seminars Attended- 2021-2022**

S.No	Name of the conference/Seminar	National/International	Organising College	Month/Year
1	Interdisciplinary Trends in Artificial Intelligence	International	Loyola Academy	February-2022
2	Intellectual property Rights & Research Ethics	National	St.pious X Degree & P.G College for women	October-2021
3	Recent Trends in Agricultural Biotechnology	National	Agri Biotech Foundation	September-2021
4	Drafting Impactful Research Articles, Project Proposals & Patents	National	Ramco Institute of Technology, Tamil Nadu	September-2021
5	Central Dogma, Gene Silencing & Microbes	National	Andhra Loyola College	September-2021
6	Basics of Aquaponics	National	Satyabhama institute of Science and Technology	July-2021
7	Two challenges: Covid-19 & Mucormycosis Management	National	A.V. College of Science and Commerce	June-2021

## **Mrs.S.Dhavala Achievements**

<b>S.No</b>	<b>Name of the Workshop</b>	<b>Organising College</b>	<b>Month/Year</b>
1.	Basics and Advanced Molecular Techniques <b>5 day UGC-STIRDE NATIONAL LEVEL WORKSHOP</b>	Mizoram University	June-21

**Department Faculties are Awarded an Appreciation Certificates From  
NPTEL as Mentors**



# CERTIFICATE OF APPRECIATION

is awarded to

**D GURUDEVI**

**LOYOLA ACADEMY**  
HYDERABAD, TELANGANA

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**BIOMEDICAL NANOTECHNOLOGY**

**JUL-DEC 2021**

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
15	7	0	3	3	1	0	0

  
**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras



# CERTIFICATE OF APPRECIATION

is awarded to

**V. V. S. CHALAPATHI RAO**

**LOYOLA ACADEMY**  
HYDERABAD, TELANGANA

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**EXPERIMENTAL BIOTECHNOLOGY**

**JUL-DEC 2021**

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
13	8	1	4	2	1	0	0

  
**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras



# CERTIFICATE OF APPRECIATION

is awarded to

**D GURUDEVI**

**LOYOLA ACADEMY**  
HYDERABAD, TELANGANA

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**CELL CULTURE TECHNOLOGIES**

**JUL-DEC 2021**

Mentees Enrolled	Mentees Present	Score (in %)		Certified (Score in %)			
		<40	40-59	60-74	75-89	>=90	Toppers
15	9	3	4	1	1	0	0

  
**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras



# CERTIFICATE OF APPRECIATION

is awarded to

**DR. CH. SIRISHA**

**LOYOLA ACADEMY**  
HYDERABAD, TELANGANA

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**FUNCTIONAL GENOMICS**

**JUL-DEC 2021**

Mentees Enrolled	Mentees Present	Score (in %)		Certified (Score in %)			
		<40	40-59	60-74	75-89	>=90	Toppers
4	2	0	0	2	0	0	0

  
**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras

**DEPARTMENT ACTIVITY**  
**FLASHMOB ON**  
**“IMPACT OF COVID-19 & AWARENESS ON COVID**  
**APPROPRIATE BEHAVIOUR”**  
**(2021-2022)**

**DATE: 22/02/2022**

**No Of Participants :20**

PLACE: Loyola Academy, Old Alwal

Department of Biotechnology, PG, Has Organised a Flashmob&Streetplay on the Topic “ Impact of Covid 19 & Appropriate Behaviour”. 20 Students of NMBT Have Performed Dance and Street Play, 700 people of Loyola Academy have Gathered to watch the Play and They have Appreciated the Efforts Put forth by the students of NMBT

The Program Included the Life Before and During the Covid 19 Pandemic, How the Covid affected the Life of People and ended With a Message that we must always be Cautious.

## Flashmob- "Impact of Covid 19 And Covid Appropriate Behaviour"



## COMMUNITY SERVICES & OUT REACH PROGRAMS OF DEPARTMENT(2021-22)

### **1. BLOOD DONATION : BY K. SRI KANTH (111720516019)**

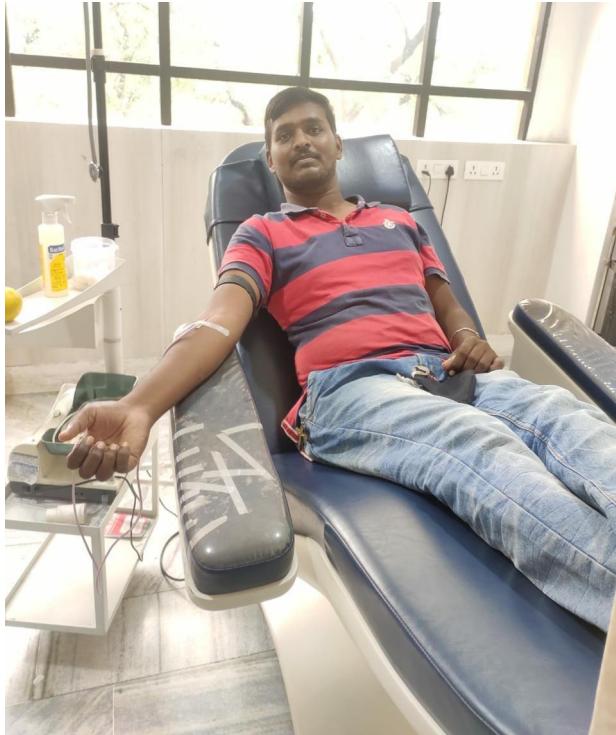
**Kyasaram Srikanth**, student of MSC BIOTECHNOLOGY at Loyola Academy Degree and PG college, Alwal.

As a part of social Awareness activity from the department, took part of donating blood at **CENTURY HOSPITAL**, located at **Banjara Hills, Hyderabad** on dated **29/09/2021**.

**Purpose : Heart surgery**

**Units : 1unit ( 250ml)**

Blood Donation by **KyasaramSrikanth,NMBT** student



## **2. Food &Grocery Donation tosenior citizens at Grace Land senior living care by NMBT Students:**

**Date of visit :**13<sup>th</sup> November 2021

**Purpose of the visit:** Donating a month's quota of groceries to Orphan students

**Number of students who volunteered:**11

**Names of the Nmbt students who volunteered:** Jahnvi, Pushpaja, Vyshnavi, Supraja, Supriya, Athira, Ashish, Sai Kumar, Kathyayni, Shekinah, SnehaDomnic Xavier

**Amount collected:** 6,000/-

With encouragement from our Head of the Department of Biotechnology Mr.VVS. ChalapathiSir a group of 11 students from the Bio Blossoms club were able to go on a outreach program. They visited the Grace land senior living care old age home which caters to around 45 senior citizens who are bed ridden, nobody to take care,

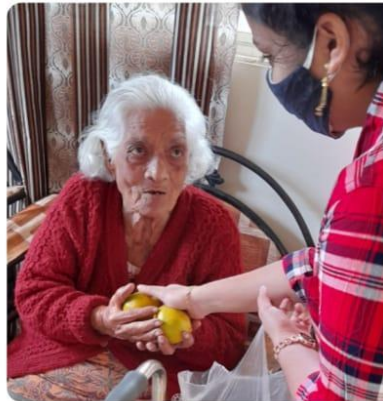
sick and in need. A total of six thousand rupees was collected and groceries that would last a month or two was bought with that amount.

All the arrangements were made via a phone call to Mr. Mathew, the man behind the noble thought. On reaching there the students were warmly welcomed and they visited the senior citizens living there. Each of them had a different story and each of them taught us something valuable. There were a few heart touching and tear jerking instances. Each of them were given fruits and most importantly the students spent time and showered their love on each and every one of them.

Students experience:

In conclusion, the whole trip was a memorable one and it taught the students a lot about the realities of life. The students understood the meaning of time, love and the responsibility we have to take care of the older people who lean on the younger generations for support and care. I would like to thank the college and the Head of the Department of Biotechnology Mr. VVV Chalapathi Sir for giving us the opportunity to carry out this outreach program.

## Interaction in old age home on 13th Nov



**NMBT STUDENTS SPENDING TIME WITH OLD AGE PEOPLE AT GRACELAND SENIOR, ALWAL.**

### **3.Visit to Arya-vayshya old Age home:Shameerpet**

- Purpose of visit - out reach, providing packaged food to the old age home residents
- Date of visit- 14/11/2021
- Place - Arya-vayshya old age home, shameerpet, aliabad
- Name of the student volunteered- A. Saisri
- Details- The old age home houses about 35 senior citizens who for different reasons ended up there, I have personally gone there through an organization named "MAHILA BHARATHI", a women centered organization working for the overall welfare and development of women

The president of the organization Dr.Dasojupadmavathi encouraged and supported me throughout and accompanied me to the place .The manager of the old age home welcomed us to distribute the necessary.It was overwhelming to know their stories and their lifes, the warmth we received from the people there continued to stay with us.

In conclusion it was a memorable, educating and joyous experience I would like to thank the organization "**MAHILA BHARATHI**" and its president Dr.Dasojupadmavathi

And our HOD vvschalapathirao, biotechnology department, loyola academy for their constant support and encouragement.



**NMBT STUDENTS VISIT TO OLDAGE HOME & SPENDING TIME WITH SENIOR CITIZENS**

#### **4. Each One Teach one program**

DATE: 23/12/2021 to 30/01/2022.

PLACE:KHAMMAM,KHANAPURAM,AT MY HOME –Adharsh nagar.

Objective:To teach and help the poor students who were Drop outs from school online classes.

(M.BHAVYA SRI) Nmbt student of Loyola academy Degree and PG,College,pursuing MSc Biotechnology 2<sup>nd</sup>year. gathered the students at her home town (Khammam district, Telangana) taught to 5-6 students during the time of COVID pandemic who are unable to understand the online classes and to the students who are unable to afford a device for online classes. I shared my knowledge to make them good at their subject.

Out come:

They have learnt many things like how to manage time in pandemic situations for studying .Their parents response is very good and felt blessed.

M.BHAVYA SRI (111720516012) Teaching students .



## **5. Each One Teach one program NMBT Students**

### **Visit to Zilla Parishad High School Qutubullapur, Secunderabad**

As a part of “EACH ONE TEACH ONE” outreach program. We a group of 5 students ( Sowmya Sree ,Haritha,Swathi,Alekhya,Jhansi) visited ZPHS , QUTHBULLAPUR on 18<sup>th</sup> February 2022.

About The Teaching Activity in school:

Topic: **Nutritional Importance In These Challenging Times”**  
**and “Blood Grouping”**. (Practical Demonstration)

**Student experiences ,Outcomes,Feed back:**

**We had an hour interactive session with class 10.** We enlightened the students about **“Nutritional Importance In These Challenging Times”** and **“Blood Grouping”**. The students were enthusiastic and reluctantly came forward to check their blood group. It was a new experience for us to teach the students.

### **Outcomes**

Students gave them the knowledge and importance of Biotechnology in recent advances and in future.

Helped school students to identify and know about their BLOOD GROUPS.

The staff of ZPHS were kind enough and granted the permission to take an hour class. We thank our HOD, PG BIOTECHNOLOGY, VVS CHALAPATHI RAO SIR for giving us an opportunity to be a part of outreach program.



**NMBT Students Interacting with ZPHS School ,Qutubullapur,as part of  
“Each one Teach one program”**

### **5. Blanket Distribution for street dwellers by NMBT Students:**

- Purpose of visit - blanket distribution to the underprivileged people on streets.
- Dates of visit - 26/12/21 and 27/12/2020
- Place - kothagudem, khammam district
- No of students volunteered - 05
- Names of the students-
  1. A.saisri,
  2. D. Anuradha
  3. B. Kowmudhi
  4. R. Vyshnavi
  5. N.saikumar
- Details- we, a group of 5 students have distributed blankets to the poor and needy who were sleeping in the cold on the roads and open bus stop benches on the dates of 26 dec 2021 and 27 dec 2020 at kothagudem Town, khammam district.

The idea was inspired when we saw them facing the cold winter and being all helpless in the old age and we decided to help them with what they need at the hour, we pooled the money and bought them blankets and our HOD vvs. Chalapathiroa's support and encouragement has always been with us

Even though we faced few challenges during the distribution amidst the covid, it was a great experience, we felt contented all along the purpose.



## **NMBT STUDENTA DISTRIBUTING BLANKETS FOR STREETDWELLERS AT BHADRADRI KOTHAGUEDEM**

### **6.WEAR MASK CAMPAIGN & MASK DISTRIBUTION ACTIVITY**

We students ( D.Kathyayani , Keziah Jennifer) of Loyola academy Degree and PG college pursuing M.SC Biotechnology 2<sup>nd</sup>year.Have done an outreach program- Distribution of masks to the self employed people in mancherial on 3<sup>rd</sup> January 2022. The main motto of the program was to create COVID-19 awareness in the

locality. The program was quite successful .Many of the locality people participated in the mask distribution program became aware of the importance of mask in this pandemic COVID-19 situation.

### **NMBT STUDENTS DISTRIBUTING MASK TO SELF EMPLOYED PEOPLE IN MANCHERIAL**



### **7.FOOD DONATION BY NMBT STUDENT N.ROHINI AT LEELAVATI CHARITABLE TRUST ,PULIVENDULA,KADAPA DISTRICT,A.P.**

On Jan 16,2022

I ( N.Rohini) of Loyola Academy Degree & PG college pursuing MSc. Biotechnology 2<sup>nd</sup> year, visited Leelavati Charitable Trust,Pulivendula( Kadapa district ),A.P, distributed fruits, sweets, biscuits and other food items to the old people & spent some time with them.

N.Rohini

111720516035

## 8. FOOD DONATION AT CHARITABLE TRRUST,KADAPA,A.P.



## 9. BOOK DONATION PROGRAM

...Giving is not just about making a donation it is about making a difference

**DATE : 19/01/2022**

**DONATED TO :GOVERNMENT LIBRARY OLD ALWAL ,  
SECUNDERABAD , TELANGANA**

VVS Chalapathirao , HOD of MSC Biotechnology , and IInd year students M.Ashish , K.Srikanth , G.Anusha , B.Kowmudhi have Douted compititive Books at old Alwal , secunderabad, Government library on the 19<sup>th</sup> Jan 2022 to help the students who have need of books for their compitive exams.

This was a great opportunity given by our HOD vvschalapathirao sir to be a part of this great program , as we know a book is a good friend which teaches us to go in a right way to successfull life , we feel it's really a great to Donate the book which are needed for compitive exams as many people can't afford to buy those books .

# Book Donation program



19/01/2022

## 10.FOOD DONATION STUDENTS: BY T.BABY KIRTHANA AT GOVT.HOSPITAL

Roll no:111720516023

### Food donation to poor people and Government hospital

I am T. Baby keerthana student of MSC. Biotechnology (Loyola academy, old alwal) , I have donated food to patients in Government Hospitals and kids in slum areas through online "Charitsm trust app". Which I found in social media. It costed 40/- per plate, havded donated 5 plates, with total amount 200/- on 21/january/2022.



## 11. OUTREACH ACTIVITY : FOOD DONATION

**Date of visit:** 6/02/2022

I ( A.Pranati, Roll no. 36, NMBT), the student of Loyola Academy Degree and PG College, Old Alwal, Secunderabad, pursuing M.Sc. Biotechnology 2<sup>nd</sup> year, visited “AyushaNilyam Children’s Home” (Orphanage) in Manjira Nagar Colony, Alwal, Secunderabad, Telangana, a home for orphans and single parent children and provided meals to the children. The children were happy to receive the meals and it gave me a sense of contentment to contribute a little for their happiness and wellbeing.

***“If you can’t feed a hundred people, then just feed one.”***  
***- Mother Teresa***



A.Pranati

UID No. : 111720216036

M.Sc. Biotechnology (NMBT)

Loyola Academy, Degree and PG College, Old Alwal, Secunderabad, Telangana.

## 11. Food Donation By Student M.Anil Kumar

I M.ANIL KUMAR GOUD ,Studying MSc. Biotechnology in LOYOLA ACADEMY as a part of Out reach which is conducted by the Department of MSc. biotechnology with the encouragement of VVS. CHALAPATHI RAO sir, I have donated a mid day meal for 30 children for 1 day through the foundation called AKSHAYA PATRA which is organized by Give India which is established in the year 2000 which is non-profit organization which provide a good quality



GIVE-P1-0002034654  
2022-02-16

Hi Madas Anil kumar Goud,

We have received a donation of Rs. 110.00/- from you. The details are in the table below

### Donation Detail

Partner NGO	Program	Donation	GiveIndia Retention	Total
The Akshaya Patra Foundation	Mission 10L meals	Rs. 99.00	Rs. 11.00	Rs. 110.00

This receipt is exempt from revenue stamp vide Exemption b Article 53, schedule I of the Indian Stamp Act, 1899. Donations to GIVE Foundation from 01.04.2008 onwards qualify for deduction u/s 80G(5) of the Income Tax Act, 1961 vide certificate of exemption no. DIT(E)/80G(5)/929/07-08 dated April 29, 2008 issued by the DIT (Exempt) Ahmedabad (<http://www.giveindia.org/give/user/static/80gnew.pdf>) Please note that due to an amendment that has taken effect from 1st October 2009, all existing approvals expiring on or after 1st October, 2009 are deemed to have been extended in perpetuity unless specifically withdrawn. The Government order can be seen here ([http://www.giveindia.org/give/user/static/IT\\_Circular\\_2010.pdf](http://www.giveindia.org/give/user/static/IT_Circular_2010.pdf)). This receipt is invalid in case of non-realization of the money instrument or reversal of the credit card charge or reversal of donation amount for any reason. IT PAN: AABCG2322D

For GiveIndia

Authorized Signature

Address

1st floor, Rigel, No. 15-19, Doddanekkundi,  
Marathahalli Outer Ring Road, Bengaluru 560037

Registered Address:

Give Foundation : 704/J,Indraprasth Towers,Near Drive In Cinema,Suvidha Nagar CHS

Ltd.,Thaltej. Ahmedabad - 380054. INDIA

CIN No. U91110GJ2000NPL037902

Tel: +91-22-42759400. Email: [info@giveindia.org](mailto:info@giveindia.org)

food to the children of India who are poor and who are under poverty line .

Through this organization it provides food to over a 4 million children across India

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