



**LITTLE FLOWER DEGREE COLLEGE**

(U.G & P.G COURSES)  
UPPAL, HYDERABAD-500039, TELANGANA

# DEPARTMENT OF MATHEMATICS

Organizes  
A Certificate course  
on

## “MATLAB”



**Dr. K. Srinivasa Rao**  
**Prof. Dept . of Mathematics**  
**SCSVMV University,**  
**Kanchipuram.**



**DATE :- 04/08/2022 TO 20/08/2022**

**TIME :- 12 :30 TO 3:30**

### CO-ORDINATORS

**Mr. M. Prashanth**

**HOD, DEPT. OF MATHEMATICS**

**Ms. T. Swapna**

**Mr. V. Naveen Kumar**

**Contact :- 9553355828, 7386987603 , Email :- [mathematics@lfdc.edu.in](mailto:mathematics@lfdc.edu.in)**



The certificate course trainer Prof. K. Srinivasa Rao explaining how to use commands in MATLAB



Mr. M. Prashanth, HOD, Dept. of Mathematics, Faculty T. Swayne, V. Naveen Kumar, with the Resource person Prof. K. Srinivasa Rao, Dept. of Mathematics, SCSVMV University, Kanchipuram, TamilNadu.

**LITTLE FLOWER DEGREE COLLEGE**

**Uppal , Hyderabad -39**

**Department Of Chemistry**

**2022-2023**

circular

LFDC/chem/2022-23/6

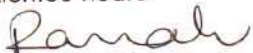
Date:13/03/2023

Department of Chemistry is Organising a Certificate course programme in collaboration with Make Intern,IIT,Kharagpur. For all the 1 st year students bsc chemistry. All the students of 1 st year BScChemistry are requested to participate and make it a successful event

Name of the event; Certificate Course Programme

Topic :Chromatography basic techniques in Molecular Biology

Duration:30 hours

  
Ms.M.Ramadevi

(HOD, Department of chemistry)




Class to be read

I BTMC

I BTBC

I MZC

IBZC



# LITTLE FLOWER DEGREE COLLEGE

(Affiliated to Osmania University)

(A Catholic Minority Institution Run By Brothers of St. Gabriel Educational Society)

2-18-25, Opp. Survey of India,  
Uppal, R.R. Dist (Medchal Malkajgiri Dist. (New))  
Hyderabad - 500 039

Mobile : 7673960152  
E-mail : littleflowercollege@gmail.com  
Website : www.lfdc.edu.in

## Department of Physical Sciences

### Faculty of Computer Science

### CIRCULAR

LFDC/PS/Elc/Stat/Phy/Cs/Maths/2022-23/003

Date:13/7/2022

The Faculty of Computer Science is providing a specialised certificate course for 30 Hours designed to empower students with essential skills for web development and design, dive into the fundamentals of HTML & to enhance PHP proficiency, this course offers a dynamic learning experience.

Class	Course offered	Duration
III BBA	HTML	30 Hours
III BCOM CA	PHP with My Sql	30 Hours

### NOTE:

For further queries kindly contact Ms.A.Alekhyia, Faculty of Computer science

*Jayanthi*  
**PRINCIPAL**  
Little Flower Degree College  
Uppal, Medchal Dist-500039.  
College Code : 2010



Ref: No: LFD & PG C/HIN/2022-23/2

Date: 21/7/2022

### CIRCULAR

The Department of Hindi is organising a certificate course in collaboration with "Hindi Prachin Sabha" Nampally. Students attempting the following exam from the Department of Hindi will be eligible for Government Jobs as well as HPT (Hindi Pandit Training).

The following criteria is required from the students:

1. Students whose second language was Hindi in Intermediate can directly write "VIDWAN EXAM" paying Rs 747.
2. Students whose second language was Hindi in X Class can write "BHUSHAN" (SAMPOORNA) paying Rs. 795.
3. This certificate course will provide a working knowledge of Hindi, which will be advantageous to students to travel or transact business in different parts of India and be a translator in foreign countries.
4. 5th August is the last date of Registration.

Any queries please contact Ms. Sheela Balaji Head of the Department- Hindi in the third



Ms Sheela Balaji  
HoD- Hindi

Little Flower Degree College, Uppal, Hyderabad

Department of Microbiology

2022-2023

Ref No: LFDC/MICROBIOLOGY/2022 – 23/

13/03/2023

**CIRCULAR**

The Department of Microbiology is organizing a certificate course in CRISPER technology from for B. Sc. BTMC , II, and III year students in Microbiology. Interested students give your name to Mrs. J. Usha Rani Department of Microbiology and register for the event. If you have any queries, contact the Head Department of Microbiology. Mrs. J. Usha Rani in the 1st floor staff room.

  
Mrs. J. Usha Rani

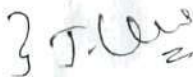
Head Department of Microbiology

Copy to

1. To be read in classrooms
2. All Notice boards

**Classes**

BTMC III Year  
BTMC II Year

} 

## Certificate Course

Department of Microbiology

Event Name: Certificate Course

Topic: Genetic engineering Using CRISPR technology

Date: 24<sup>th</sup> to 28 March 2023

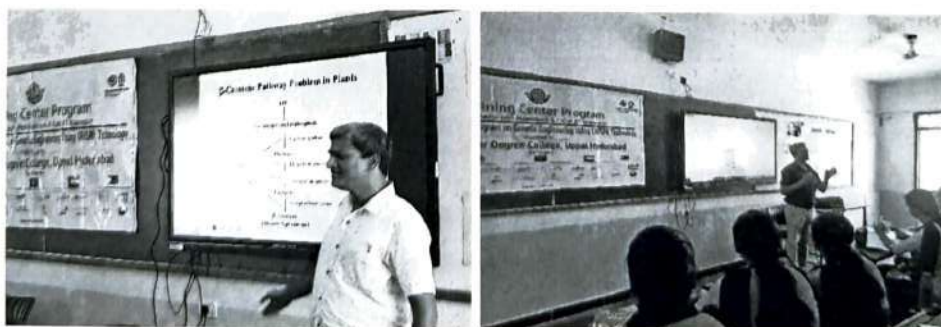
Time: 9am to 5pm

No of participants 39

Department of microbiology Organised Certificate Course was conducted for B.Sc. BTMC III & II-year students. The topic name was Genetic engineering Using CRISPR technology from 24<sup>th</sup> to 28<sup>th</sup> March 2023 in collaboration with Makeintern. Dr. Vidyasagar biological scientist from Make intern was the resource person for certificate course. CRISPR gene editing is a technique in which genome of living organism can be modified. This certificate course envisions to bring state of art in modern research area to the students' The course was divided into 14 modules. The course was concluded with conducting written MCQ exam and the event was concluded with valedictory and distribution of certificates to students.



Top five scored student were given merit certificate from each year. A) Students receiving merit certificate. B) Group photo with vice principal and Resource persons Dr. Vidyasagar, staff, and students



Vidyasagar delivering lecture to students.

Dr.



# **Makeintern & E-Cell**

**Workshop Partner E-Cell (IIT Kharagpur)**

☎ +91 7290079907 (S.K Mishra)

☎ +91 7290079904 (Vibha)

☎ 011-49095855

**Attention Biotech/Life Sciences Dept : Makeintern & E-Cell (IIT Kharagpur)**

Honorable Sir/Ma'am,

**Greetings from Makeintern..!!**

We are glad to share this information with you. We hope you too have a great experience with us.

We, "Team MakeIntern (Training partner of E-Cell (IIT Kharagpur) would like to entreat you to be a part of the biggest Wetlab Championship and certification program.

Makeintern Workshop partner of E-Cell (IIT Kharagpur ) is putting up 35 Training centers across PAN India for being a part of the National Level Championship @IIT Campus. We would like to know if you are interested in participating in this event, as our goal is to provide the best learning to the students.

## **DETAILS OF THE EVENT**

**There will be two Rounds in this Championship:**

First Round At Selected Colleges

Final Round E-Cell(IIT Kharagpur/Delhi)

**First Round:** This will be a training Round, Interested students will be undergoing 12 hours online/offline training on one of the selected topics from the given list:

- **Bioinformatics tools & Software's**
- **Chromatography and Basic Techniques in Molecular Biology**
- **Recombinant DNA Technology & Genetic Engineering/Genetic Engineering Using CRISPR Technology**
- **Industrial Biotechnology**
- **Food Microbiology and Probiotics**
- **Virology & Covid-19 Research**

Above mentioned topics are chargeable and every topic will be of 18 hours of hands-on Training and registration Charges are **1357/- per student including 18% GST** and there should be at least 40 students.



# **ZONAL CHAMPIONSHIP**

Training Partner with E-Cell Khargpur

+91 9289128355 (Shama Praveen)

+91 7290079904 (Vibha Jawla)

## **Confirmation Letter**

**Sub: Confirmation letter for Workshop:**

Dear Sir/Ma'am,

This is to bring under your kind notice that our college confirms Makeintern training will be held in our campus.

**College Name:** Little Flower Degree & PG College, Uppal, Hyderabad.  
**Topic Name:** Genetic Engineering Using CRISPR Technology  
**Dates:** March/2023

This is a confirmation that our school will be the training Centre for technical training as mentioned above and provide the infrastructure support as required for the Session and registration charges are 1357 INR/- i.e. including 18% GST Student.

We are appointing one faculty coordinator and two student coordinators to coordinate the entire Program at our campus. Please fill the Name and Contact Numbers of all the coordinators below:

Name	Coordinator	Number	Email ID
Dr. J. Usha Rani	Faculty Coordinator	9885587659	usharani@lfdc.edu.in
	Sub Coordinator		
	Sub Coordinator		

Yours sincerely  
Makeintern.com

Contact Us: Mr. yash pandey  
(shubhammakeintern@gmail.com)

Ms.Vibha: +91 7290079904

**College Authority**

Name: Dr. J. Usha Rani

Designation:

Ast Prof & Head

Department of  
microbiology

Little Flower Degree  
and PG College, Uppal  
Hyd.

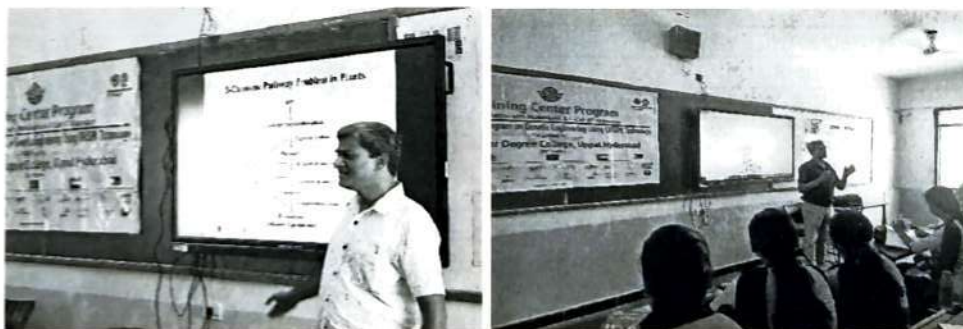
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Top five scored student were given merit certificate from each year. A) Students receiving merit certificate. B) Group photo with vice principal and Resource persons Dr. Vidyasagar, staff, and students



Vidyasagar delivering lecture to students.

Dr.

The syllabus is as follows.

Day 1:

Module 1 Revision to basics and Somatic/ Germline modification

Module 2 Methods for mutation detection and cell manipulation using the most current technologies.

Module 3 gRNA and PAM CRISPR locus

Module 4 CAS9 and CPF1 and modern variations (CAS-FISH) -A comparison

Day 2

Module 5 Application in induced pluripotent stem cells.

Module 6 CRISPR interference - CRISPRi and CRISPR a

Module 7 Repair Mechanism - HDR, NHDR

Module 8 Application in plant breeding and horticulture

Day 3

Module 9 Selection of appropriate vector system (using gRNA)

Module 10 Application in genetic disorders and Biomedicine

Module 11 Generation of knock-in knock out cells, disease models

Module 12 Co-evolution - Reverse Transcriptase associated with CRISPR CAS system.

Day 4

Module 13 CRISPR on-target and off-target analysis

Module 14 Summary, recognitions, patents, limitations, and future aspects

List of students participating in certificate course

### **III BTMC**

<b>S.N O</b>	<b>STUDENT NAME</b>	<b>Marks scored</b>
1	CHINTALAPUDI LEELAPRIYA	14
2	SHARUN RAMACHANDRAN	18
3	GATLA IGNATIUS TREZA	12
4	C HARSHA VARDHAN REDDY	14
5	SWATI KUMARI	18
6	ADITI SINGH	17
7	BADDITI ANUSHA	15
8	DASARI S V ABHISHEK	10
9	KUKATLAPALLY SAI NIHARIKA	19
10	NANGNURI NIKITHA	19
11	MOHAMMED YAHEEYA KHAN	11
12	PASUNOORI BHAVANI	15
13	CHILUMURI SHAWN HELI	12
14	GANNAVARAPU SRI RAM	15
15	MUNGAMURI VIVEK	16
16	DANDU CHARITHA	10
17	YANALA VISHNUVARDHAN REDDY M	10
18	DYAVARISHETTY YASHASHWINI	8
19	UVTHUPALA SAI LAXMI	16
20	SATTINENI NAVYA REDDY	13
21	P Y TEJASWI	13
22	V. FLORA GRACE	14
23	AAKAASH DEV MANWAAL	11

### **BTMC II**





**LITTLE FLOWER DEGREE COLLEGE**  
**ANNUAL REPORT**  
**2022-23**

Name of the Department	<b>MICROBIOLOGY</b>
Name of the Event	Certificate course
Title/Topic	1. Genetic Engineering Using CRISPR Technology 2. <del>Chromatography Techniques</del>
Date	24/03 to 28 /03 /2023
Venue	The Department of Microbiology LFDC, Uppal in collaboration with MP Technologies
Name of the Resource Person	Dr.Vidya Sagar and Dr. Akash from MakeIntern
Number of Participants	
Objective of the Event	Providing training to students on advanced techniques in genetic engineering.
Outcome of the Event	Practical exposure and data analysis skills were gained by students on topics: Genetic Engineering Using CRISPR Technology and Chromatography Techniques

Supporting Documents:

Little Flower Degree College, Uppal, Hyderabad

Department of Microbiology

2022-2023

Ref No: LFDC/MICROBIOLOGY/2022 – 23/

13/03/2023

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*J. Usha Rani*

Mrs. J. Usha Rani  
Head Department of Microbiology

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*microbiology*  
*22-23*

**Classes**

BTMC III Year  
BTMC II Year

*J. Usha Rani*

*mom*  
*attendance*  
*syllabus*

## **Syllabus for Genetic engineering Using CRISPR technology certificate course**

### **Day 1:**

- Module 1 Deviation to bacteria and somatic/ germline modification
- Module 2 Methods for mutation detection and cell manipulation using the novel CRISPR technologies
- Module 3 gRNA and PAM CRISPR locus
- Module 4 C-AN9 and C-PT1 and modern variations (C-AS-PTM) - As comparison

### **Day 2**

- Module 5 Application in induced pluripotent stem cells.
- Module 6 CRISPR interference - CRISPRi and CRISPRa
- Module 7 Repair Mechanism - HDR, NHEJ
- Module 8 Application in plant breeding and horticulture

### **Day 3**

- Module 9 Selection of appropriate vector system (using gRNA)
- Module 10 Application in genetic disorders and Biomedicine
- Module 11 Generation of knock-in knock out cells, disease models
- Module 12 Co-evolution - Reverse Transcriptase associated with CRISPR CAS system.

### **Day 4**

- Module 13 CRISPR on-target and off-target analysis
- Module 14 Summary, recognitions, patents, limitations, and future aspects



Little Flower Degree College, Uppal, Hyderabad

Department of Microbiology


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Mrs. J. Usha Rani

Head Department of Microbiology

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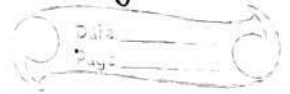
**Classes**

BTMC III Year

BTMC II Year



Little Flower Degree College  
Uppal, Hyderabad



Dept of microbiology

Date

venue - Staff meeting

meeting Agenda - Department  
of Microbiology is organizing  
Certificate Course.

- Meeting started with organizing  
a certificate course in Microbiology

- Make Intern in collaboration with  
IIT - Kharagpur. receive mail was  
selected for Interns Certificate  
Course.

- Telephonic Conversation was  
done with Incharge.

Attendance.

Mrs. J. Usha Rani

Mrs. Durga

Sig

J. Usha Rani

Little Flower Degree College  
Uppal, Hyderabad



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Attendance.

Mrs. J. Usha Rani

Mrs. Durga

Sig

J. Usha

*[Signature]*

VP name sign  
& date  
pending.



**LITTLE FLOWER DEGREE COLLEGE , UPPAL, HYD -39**  
**DEPARTMENT OF COMMERCE**

Ref: No: LR/COMMERCE/2022-23/ Certificate Course

Date : 19/09/2022  
Place: Hyderabad.

To

The Principal

Sub: Request for the approval of Certificate Course for the year 2022-23 - Reg.

Respected Brother,

This is for your kind perusal the proposed Excel Foundation Course of the department of Commerce for the year 2022-23.

Name of the Course	Duration	Class	Month	Students
Excel Foundation	30 Hours	III B.Com Gen, II B.Com Gen, II B.Com Honours	October	44

Thanking You,

Yours sincerely

Mrs.PRANITHA  
HOD, Dept of Commerce

  
PRINCIPAL  
**PRINCIPAL**  
Little Flower Degree College  
Uppal, Medchal Dist-500039.  
College Code : 2010