

**Annual Report of the Department Microbiology**

**2020-2021**

## **1. HISTORY OF THE DEPARTMENT: Microbiology**

- The Department of Microbiology was established in the year 1998-99 by the Government under Commissionerate of Collegiate Education in GDCSA.
- T. Nagendra kumar, Dr.N.Harikrishna, M.Shyam sunder the former incharges of the Department.
- Dr.P.Pallavi, is the lecturer working in the Department.
- Dr. P.Pallavi is the incharge of Department and Assistant Professor in Microbiology.
- The department initially offered Industrial Microbiology and later it has been converted to General microbiology.
- The courses offered are Microbiology, Zoology, chemistry (MBZC) initially, later it has combination with botany(MBBC),

## **2. VISION & MISSION OF THE DEPARTMENT:**

### **VISION:**

- Microbiology making invisible world more visible
- To promote quality education to have better job opportunities and pursuing higher education
- To help in seeking right knowledge at right time.
- To inculcate scientific temper and provide platform research.

### **MISSION:**

- To empower students through education.
- To enhance scientific temper in students.
- To improve potency in attaining employment.
- To improve confidence levels and overall personality development.
- To cultivate healthy and hygienic environment, to be good citizen of future India and No to Extinction of mankind.

### 3. INSIGNIA OF THE DEPARTMENT:



### 4. TOTAL NUMBER OF TEACHERS/STAFF DURING THE YEAR 2020-21:

	Total in June	Added in the year (subject-wise)	Total left (Specify reason)	Total in March	With PhD/ MPhil/ Addl. Degree	Remarks if any
Teachers	01	NIL		01	01	
Non-teaching	01	NIL		01		

### 5. STUDENT DETAILS

Group with Stream	Alloted	Admitted	Apperaed Exam	Remarks
BSC.,MBZC IYR		31	25	
II yr	mbbc10+16mbzc	26	22	
IIIyr	Mbbc17+21mbzc	38	37	

### 6. TOTAL NUMBER OF ADDITIONAL/REMEDIAL CLASSES CONDUCTED:

Month	Entry Level Bridge Courses	Student Orientation/Induction programs	Remedial classes	Mentoring/ Counselling	LMS/Online Resources/ICT enabled tools/e-Learning resources
June					
July					
August					15
September		CONDUCTED			15
October					10
November	CONDUCTED				10
December			CONDUCTED		15
January					15
February					10
March					17
April				CONDUCTED	10
May					

**Submit documents and photos for evidence of Remedial classes/Mentor-Mentee counselling etc.**

## 7. DETAILS OF STRUCTURED FEEDBACK COLLECTED

(Please note that review of syllabus is to be done after collecting feedback from stakeholders)

Stakeholder	Yes/No	Remarks	Feedback collected & analysis & ATR document
a. Students :	YES		submitted to IQAC
b. Teachers :	YES		submitted to IQAC

c. Employers :	No		
d. Alumni :	Yes		Submitted to IQAC
e. Parents :	Yes		submitted to IQAC

Submit documents and photos for evidence

### 8. INFRASTRUCTURE DETAILS OF THE DEPARTMENT:

INFRASTRUCTURAL STATUS	
No. of Class Rooms	01
No. of laboratories	01
No. of computers for teachers	01
No. of computers for students	Nil
Whether any special computer packages or software for learning installed, Anti virus	Nil
Facilities like Internet, printer, power back up, Digital Board etc.	Yes

Submit consolidated document for evidence

### 9. SWOC ANALYSIS OF THE DEPARTMENT

(submit the Dept Action plan for the year 2020-21)

SWOC ANALYSIS OF THE DEPARTMENT	
Strength	Student discipline and workculture Continuous monitoring and mentoring Teaching faculty with good commitment
Weakness	Strength Lack of proper laboratories Shortfall of teaching faculty
Opportunities	Good exposure to industries Competency in job orientation
Challenges	Student strength and more number from non microbiology background Limited facilities of lab No proper classroom with ICT facilities

Best Practice (s) / Innovations of the Department	Peer group of learning Environmental management Academic excellence awards to topper students
Future Plans of the Department	Conduction of workshop /seminar Certificate course Good lab establishment

**10. UTILIZATION OF DEPARTMENTAL RESOURCES DURING THE YEAR:**

a. Total No. of Teachers in Dept.	01	
b. Number of Teachers using ICT	01(100%)	
c. Total Dept. Library books prior to the academic year	Nil	
d. Total Dept. Library books procured this academic year	Nil	
e. Total library books issued	To Students	35
	To faculty	35
f. other equipment (Specify)		

**11. LIST OF COMMITTEES / CELLS/ CLUBS IN WHICH THE FACULTY OF THE DEPARTMENT ARE MEMBERS for 2020-21**

S.No.	Faculty Name	Member in Committee/Cell/Club	Additional information
1	Dr.P.Pallavi	Head of the department , microbiology	
	Dr.P.Pallavi	IQAC member	
	Dr.P.Pallavi	Addl . Controller of examination	
	Dr.P.Pallavi	Autonomous committee member	
	Dr.P.Pallavi	Health club member	
	Dr.P.Pallavi	Women empowerment member	

	Dr.P.Pallavi	Research committee member	
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## 12. RESULT ANALYSIS

SEM I/III/V- FINAL RESULT ANALYSIS OF UG PROGRAMMES						
Course	Group	Appeared	PASS		FAILED	
			No. of Students	%	No. of Students	%
BA/B.Com/ B. Sc/ BBA	BSC., MBZC Isem	27	22	81.48		
	BSc., MBBC III sem	13	08	61.54		
	BSC., MBZC III sem	09	02	22.22		
	BSc., MBBC V sem	16	15	93.75		
	BSC., MBZC V sem	21	17	80.95		
	<b>Total</b>					

## RESULT ANALYSIS: 2020-2021

SEM II/IV/VI- FINAL RESULT ANALYSIS OF UG PROGRAMMES						
Course	Group	Appeared	PASS		FAILED	
			No. of Students	%	No. of Students	%



BA/B.Com/ B. Sc/ BBA	BSc., MBZC II sem	Result not released				
	BSc., MBBC IV sem	09	07	77.78		
	BSc., MBZC IV sem	13	09	69.23		
	BSc., MBBC VI sem	15	15	100		
	BSc., MBZC VI sem	21	20	90.48		
	<b>Total</b>					

### 13. ACADEMIC AWARDS FOR STUDENTS

#### B.A/B.Com/BBA/B.Sc General

<b>Ran k</b>	<b>Name of the Student</b>	<b>Roll No.</b>	<b>Total Mar ks</b>	<b>Percen t/CGP A</b>	<b>Award</b>
	S..Tejaswini	<b>6025-17-457-046</b>		9.42	
I	T.sunayana III yr	<b>6025-18-457-028</b>		9.08	
I	MushreenI Iyr	6025-19-457-009		9.20	
I	Sidanoorin I yr	6025-20-024		9.2	

### 14. POs & PSOs of the Department in Various Courses



**GOVERNMENT DEGREE COLLEGE (AUTONOMOUS),  
SIDDIPET**

**Department of Microbiology**



**B.Sc., Microbiology(CBCS)**

**Course Learning Outcomes**

**SEMESTER-I & II . Course title : General Microbiology And Microbial Diversity .**

**HPW :04+3 : Credits:04+1.**

General Microbiology & Microbial Diversity , After successful completion of this course students are expected to be able to: Demonstrate theory and practical skills in microscopy and their handling techniques and staining procedures Understand the basic microbial structure and function and study the comparative characteristics of prokaryotes and eukaryotes and also Understand the structural similarities and differences among various physiological groups of bacteria/archaea . Know various Culture media and their applications and also understand various physical and chemical means of sterilization Know General bacteriology and microbial techniques for isolation of pure cultures of bacteria, fungi and algae Master aseptic techniques and be able to perform routine culture handling tasks safely and effectively Comprehend the various methods for identification of unknown microorganisms ,Understand the microbial transport systems and the modes and mechanisms of energy conservation in microbial metabolism – Autotrophy and heterotrophy Know the various Physical and Chemical growth requirements of bacteria and get equipped with various methods of bacterial growth measurement.

- Know how viruses are classified
- Understand the architecture of viruses
- Know the methods used in studying viruses
- Discern the replication strategies of representative viruses from the seven Baltimore classes
- Comprehend the intricate interaction between viruses and host cells

**SEMESTER-III & IV: Course title: Food And Environmental Microbiology, Medical Microbiology & Immunology. HPW: 04+3; Credits :04+1.**

Upon successful completion of the course, students are expected to be able to:

- Understand the beneficial role of microorganisms in fermented foods and in food processing and the microbiology of different types of fermented food products – dairy, pickles, Legume and cereal based food products
- Understand the significance and activities of microorganisms in food and role of intrinsic and extrinsic factors on growth and survival of microorganisms in foods
- Know the spoilage mechanisms in foods and thus identify methods to control deterioration and spoilage
- Recognize and describe the characteristics of important pathogens and spoilage microorganisms in foods.

- Learn various methods for their isolation, detection and identification of microorganisms in food and employ in industries
- Identify ways to control microorganisms in foods and thus know the principles involving various methods of food preservation
- Understand of the basis of food safety regulations and Discuss the rationale for the use of standard methods and procedures for the microbiological analysis of food
- Acquire, discover, and apply the theories and principles of food microbiology in practical, real-world situations and problems.

Environmental & Agriculture Microbiology Core paper.

Upon successful completion of the course, students are expected to be able to:

- Appreciate the diversity of microorganism and microbial communities inhabiting a multitude of habitats and occupying a wide range of ecological habitats.
- Learn the occurrence, abundance and distribution of microorganism in the environment and their role in the environment and also learn different methods for their detection and characterization
- Competently explain various aspects of environmental microbiology and microbial ecology and to become familiar with current research in environmental microbiology.
- Understand various biogeochemical cycles – Carbon, Nitrogen, Phosphorus cycles etc. and microbes involved
- Understand various plant microbes interactions especially rhizosphere, phyllosphere and mycorrhizae and their applications especially the biofertilizers and their production techniques
- Understand the basic principles of environment microbiology and be able to apply these principles to understanding and solving environmental problems – waste water treatment and bioremediation
- Know the Microorganisms responsible for water pollution especially Water-borne pathogenic microorganisms and their transmission
- Comprehend the various methods to determine the Sanitary quality of water and sewage treatment methods employed in waste water treatment.

Immunology :Upon successful completion of the course, students are expected to be able to:

- Demonstrate an understanding of key concepts in immunology.
- Understand the overall organization of the immune system
- Conceptualize how the collection of individual clones of lymphocytes (termed the “immune repertoire”) arises from rearrangement within two genetic loci: the Ig gene in B cells and the antigen receptor in T cells.
- Learn how “clonal selection” allows for the expansion of a limited number of antigen-recognizing lymphocytes in response to an specific antigenic stimulus
- Begin to appreciate the significance of maintaining a state of immune tolerance sufficient to prevent the emergence of autoimmunity.
- To understand about Tumor Immunology and help the students to understand its immune prophylaxis and immune therapy.
- To make them understand the salient features of antigen antibody reaction & its uses in diagnostics and various other studies.
- Learn about immunization and their preparation and its importance
- Demonstrate scientific quantitative skills, such as the ability to evaluate experimental design, read graphs, and understand and use information from scientific papers.
- Demonstrate skill in communication of scientific data in standard format.

- This course provides learning opportunities in the basic principles of medical microbiology and infectious disease.
- It covers mechanisms of infectious disease transmission, principles of aseptic practice, and the role of the human body’s normal microflora.
- The course provides the conceptual basis for understanding pathogenic microorganisms and the mechanisms by which they cause disease in the human body.
- It also provides opportunities to develop informatics and diagnostic skills, including the use and interpretation of laboratory tests in the diagnosis of infectious diseases.
- To understand the importance of pathogenic bacteria in human disease with respect to infections of the respiratory tract,

gastrointestinal tract, urinary tract, skin and soft tissue. • Helps to understand the use of lab animals in medical field. • Recall the relationship of this infection to symptoms, relapse and the accompanying pathology. • Explain the methods of microorganisms control, e.g. chemotherapy & vaccines. Solve problems in the context of this understanding. • Demonstrate practical skills in fundamental microbiological techniques.

**SEMESTER-V & VI ; Course title : Molecular Biology & Microbial Genetics , Industrial Microbiology. HPW: 4+3. Credits:4+1.**

Molecular Biology and Microbial Genetics DSE Paper. Upon successful completion of the course, students are expected to be able to: • Know the terms and terminologies related to molecular biology and microbial • Understand the properties, structure and function of genes in living organisms at the molecular level • Explain the significance of central dogma of gene action • Have a conceptual knowledge about DNA as a genetic material, enzymology, and replication strategies • Understand the molecular mechanisms involved in transcription and translation • Describe the importance of genetic code and wobble hypothesis • Discuss the molecular mechanisms underlying mutations, detection of mutations and DNA damage and repair mechanisms • Explain the concept of recombination, linkage mapping and elucidate the gene transfer mechanisms in prokaryotes and eukaryotes • Handle and independently work on lab protocols involving molecular techniques.

Industrial Microbiology DSE . Upon successful completion of this course the student will be able to • Get equipped with a theoretical and practical understanding of industrial microbiology • Appreciate how microbiology is applied in manufacture of industrial products • Know how to source for microorganisms of industrial importance from the environment • Know about design of bioreactors, factors affecting growth and production, heat transfer, oxygen transfer • Understand the rationale in medium formulation & design for microbial fermentation, sterilization of medium and air • Appreciate the different types of fermentation processes • Understand the biochemistry of various fermentations • Identify techniques applicable for Improvement of microorganisms based on known biochemical pathways and regulatory mechanisms • Comprehend the techniques and the underlying principles in down stream processing.

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**(Please follow the NAAC Manual & Go through the following websites for understanding**

1. <https://www.vrsiddhartha.ac.in/co-po-attainment/>
2. [https://www.mariancollege.org/iqac/iqac\\_po.php](https://www.mariancollege.org/iqac/iqac_po.php)

**15. Guest Lectures/Seminars/Awareness Programs on Future Education & Employment ORGANIZED BY DEPT for Students**

S.No	Date	Na	Type	of	Program	Title	&	Program
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		<b>me of the Faculty</b>	<b>Program</b>	<b>Resource Person</b>	<b>Details (Organized)</b>
1	26-02-2021	Dr.P .Pallavi	guest lecture	<b>Extension lecture on career oppurtunities in Microbiology.</b> Ghosh,st.Anns college, Hyd	Microbiology dept
2	27-02-2021	Dr.P .Pallavi	one day seminar	<b>one day seminar on popularization of Science.(National Science Day) . Prof.S.Ramreddy, Deptmicrobiology,KU, wgl</b>	
3					

**BRIEF REPORT OF EACH PROGRAM (WITH PHOTOS)**

List enclosed as dept activites 2020-21

**16.MINOR/MAJOR/OTHER**

**RESEARCH**

**PROJECTS**

**EXISTING/SUBMITTED**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Details</b>
1		Nil

**17. FACULTY AS MEMBER OF State/National/International BODIES of importance**

S.No	Name of the Faculty	Name of the Organization
1	Dr.P.Pallavi	Life time member in Society of Pharmaceutical Education and Research

### 18.DETAILS OF FACULTY Obtained/PURSUING PhD during 2020-21

S.No	Name of the Faculty	Title	Name of the University	Name of the Guide	Status of Research Progress
1		NIL			

### 19.STUDENT RESEARCH ACTIVITIES

Student study projects

### 20.STUDENT RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR 2020-2021

NIL

### 21.Other Student Centric Activities :

Student seminars, Group discussions, Quiz, elcution, poster presentation.

List enclosed as dept activites 2020-21 with photos and details.

### 22.ACADEMIC CLUBs ACTIVITIES: Health club activity, pharmacy day

### 23.HANDS ON EXPERIENCE/INDUSTRIAL VISITS/FIELD TRIPS(WITH PHOTOS)

NIL

### 24.Industrial visits/field trips/educational tour organised by the Dept:

<b>S.N o.</b>	<b>Date</b>	<b>Class</b>	<b>Name of the Organisation/ Place Visited</b>	
1				NIL
2				

**25.National/International Days of IMPORTANCE CELEBRATED AND  
ACTIVITIES CONDUCTED (WITH PHOTOS)**

National science Day,

World pharmacy day.

**26.EXTENSION & OUTREACH ACTIVITIES(WITH PHOTOS)**

(including initiatives taken to engage with and contribute to local community)  
**COVID Awareness programs**

**27.BEST PRACTICES**

- Peer group of learning
- Counselling
- Science reporter
- Microbiology forum
- Awards to toppers
- Career guidance,
- PG Entrance guidance

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Plantation**
4. Dates or Duration (from-----to) : **01-09-2020**
5. Venue of the Event : Dept of microbiology, GDC,Siddipet(A).
6. Sponsor/Collaborations (if any) : self
7. Level of the event (encircle) : College  
(International / National / State / University / District / College / Department etc.)
8. Resource person : Dr.P.Pallavi , Head, Department of  
Microbiology, GDC, Siddipet(A).
9. Target group : --
10. Number of Participants : 03
11. Brief summary of event :
12. Photographs (with captions) submitted (number) :



Plantation in Microbiology Department

**Signature of HOD**

**Signature of Convenor**



(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Kaloji Jyanthi Celebrations**
4. Dates or Duration (from-----to) : **09-09-2020**
5. Venue of the Event : **College ,bell waranda, GDC,Siddipet(A).**
5. Sponsor/Collaborations (if any) : **Telugu dept. GDCSA**
6. Level of the event (encircle) : **College**  
(International / National / State / University / District / College / Department etc.)
7. Resource person : **S.Mahender, Head dept of Telugu**
8. Target group : **Students ,Staff**
9. Number of Participants : **20**
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :

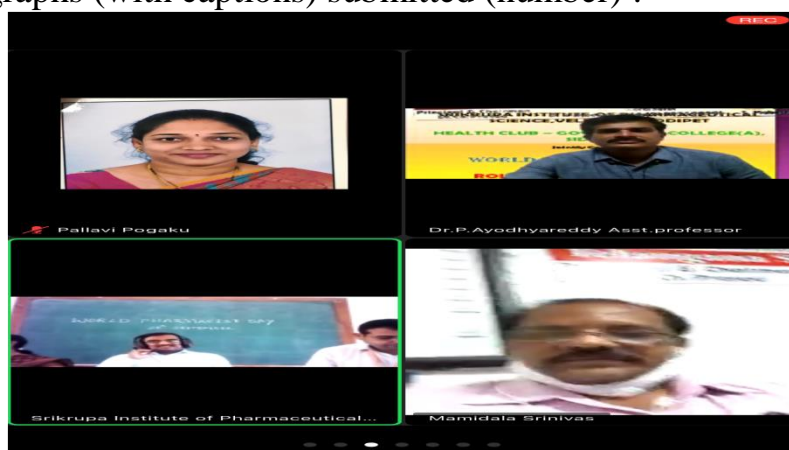


**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **World Pharmacy Day(Online)**
4. Dates or Duration (from-----to) : **25-09-2020**
5. Venue of the Event : Department,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) :Srikrupa college of pharmacy,Siddipet &  
health club
6. Level of the event (encircle) : Department  
(International / National / State / University / District / College / Department etc.)
7. Resource person : -
8. Target group : iii yr, iyr Students
9. Number of Participants : 95
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :



## Signature of HOD

## Signature of Convenor

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Remedial Classes**
4. Dates or Duration (from-----to) : **10-09-2020**
5. Venue of the Event : Dept,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) : self
6. Level of the event (encircle) : Department  
(International / National / State / University / District / College / Department etc.)
7. Resource person : -
8. Target group : Students Microbiology
9. Number of Participants :
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :



Remedial classes to microbiology students

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Group Discussion**
4. Dates or Duration (from-----to) : **11-02-2020**
5. Venue of the Event : Microbiology Lab,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) : self
6. Level of the event (encircle) : Department  
(International / National / State / University / District / College / Department etc.)
7. Resource person : -
8. Target group : iii yr,ii, iyr Students Microbiology
9. Number of Participants : 15
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :



Group Discussion to microbiology students on Hypersensitivity

## Signature of HOD

## Signature of Convenor

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Internal Audit**
4. Dates or Duration (from-----to) : **24-02-2021**
5. Venue of the Event : Department of microbiology,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) : self
6. Level of the event (encircle) : college  
(International / National / State / University / District / College / Department etc.)
7. Resource person : -
8. Target group : --
9. Number of Participants : external members  
Dr.P.Ayodhya Reddy, Khaja bee madam
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :



Internal Audit in Microbiology, Dr.P.Pallavi As audit member in other dept.

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Extension lecture on career oppurtunities in Microbiology.**
4. Dates or Duration (from-----to) : **26-02-2021**
5. Venue of the Event : Department of microbiology,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) : self
6. Level of the event (encircle) : Department  
(International / National / State / University / District / College / Department etc.)
7. Resource person : Ghosh, dept of Microbiology,  
st.Anns, Hyd
8. Target group : all Students
9. Number of Participants : 25
10. Brief summary of event :
11. Photographs (with captions) submitted (number) :





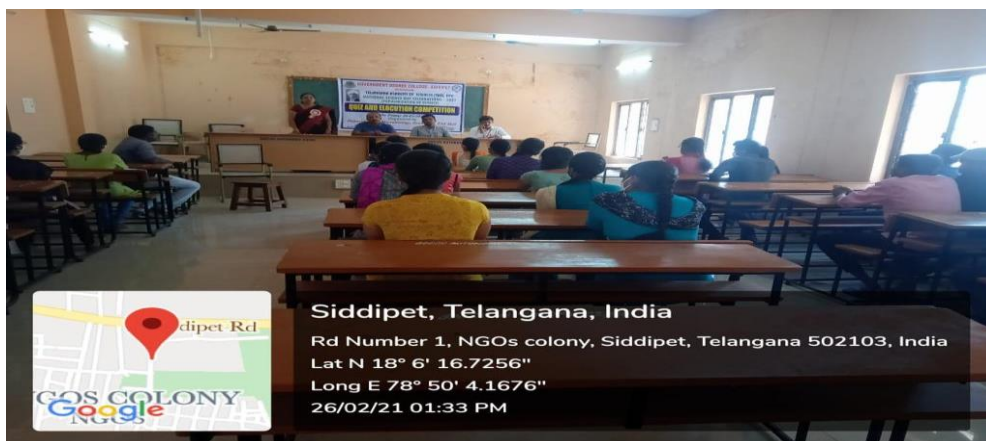
Extension lecture by Ghosh , on microbiology

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

- |  |   |
|--|---|
| 1. Name of the Department  | : <b>Microbiology</b>                             |
| 2. Co-ordinator/convenor Name  | : <b>Dr.P.Pallavi</b>                             |
| 3. Title of the Activity   | : <b>Elocution, Quiz competition</b>              |
| 4. Dates or Duration (from-----to)   | : <b>26-02-2021</b>                               |
| 5. Venue of the Event  | : Department of microbiology,<br>GDC,Siddipet(A). |
| 5. Sponsor/Collaborations (if any)   | : TAS-Hyd   |
| 6. Level of the event (encircle)   | : Department                                      |
| (International / National / State / University / District / College / Department etc.) |   |
| 7. Resource person   | : Gunaker sir and team                            |
| 8. Target group  | : all Students                                    |
| 9. Number of Participants  | : 30  |
| 10. Brief summary of event   | :   |
| 11. Photographs (with captions) submitted (number) :                                   |   |
| <input type="checkbox"/>   |   |



## Elocution, Quiz competition to students

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

- |  |  |
|--|--|
| 1. Name of the Department  | <b>: Microbiology</b>  |
| 2. Co-ordinator/convenor Name  | <b>: Dr.P.Pallavi</b>  |
| 3. Title of the Activity   | <b>: one day seminar on popularization of<br/>Science.(National Science Day)</b> |
| 4. Dates or Duration (from-----to)   | <b>:27-02-2021</b>   |
| 5. Venue of the Event  | <b>: Department of microbiology,<br/>GDC,Siddipet(A).</b>                        |
| 5. Sponsor/Collaborations (if any)   | <b>: TAS-Hyd</b>   |
| 6. Level of the event (encircle)   | <b>: Department</b>  |
| (International / National / State / University / District / College / Department etc.) |  |
| 7. Resource person   | <b>: Prof.S.Ram Reddy,KU.<br/>C.Sinivasulu, Zoology , OU-Hyd.</b>                |
| 8. Target group  | <b>: all Students</b>  |



9. Number of Participants : 125

10. Brief summary of event :

11. Photographs (with captions) submitted (number) :



□

**one day seminar on popularization of Science.(National Science Day)**

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**
2. Co-ordinator/convenor Name : **Dr.P.Pallavi**
3. Title of the Activity : **Poster Presentation**
4. Dates or Duration (from-----to) : **:27-02-2021**
5. Venue of the Event : Department of microbiology,  
GDC,Siddipet(A).
5. Sponsor/Collaborations (if any) : TAS-Hyd
6. Level of the event (encircle) : Department  
(International / National / State / University / District / College / Department etc.)
7. Resource person : -
8. Target group : all Students of microbiology
9. Number of Participants : 45
10. Brief summary of event :



**Poster Presentation by students**

**Signature of HOD**

**Signature of Convenor**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

- |  |  |
|--|--|
| 1. Name of the Department  | <b>: Microbiology</b>  |
| 2. Co-ordinator/convenor Name  | <b>: Dr.P.Pallavi</b>  |
| 3. Title of the Activity   | <b>: Photo exhibition participation by students.-poster preparation.</b> |
| 4. Dates or Duration (from-----to)   | <b>:09-03-2021</b>   |
| 5. Venue of the Event  | <b>: Department of Botany,<br/>GDC,Siddipet(A).</b>                      |
| 5. Sponsor/Collaborations (if any)   | <b>: Botany</b>  |
| 6. Level of the event (encircle)   | <b>: Department</b>  |
| (International / National / State / University / District / College / Department etc.) |  |
| 7. Resource person   | <b>: -</b>   |

8. Target group : all Students of microbiology

9. Number of Participants : 15

10. Brief summary of event :



**Signature of HOD**

**Signature of Convener**

(Conference/Workshop/Symposium/Guest Lecture/Special Day Celebration/ Exhibition/  
Welcome function/Farewell function/Sport Activities/NSS activities/NCC activities etc.)

1. Name of the Department : **Microbiology**

2. Co-ordinator/convener Name : **Dr.P.Pallavi**

3. Title of the Activity : **Student seminars**

4. Dates or Duration (from-----to) : **18-04-2021**

5. Venue of the Event : Department of Microbiology,  
GDC,Siddipet(A).

5. Sponsor/Collaborations (if any) :--

6. Level of the event (encircle) : Department

(International / National / State / University / District / College / Department etc.)

7. Resource person : -

8. Target group : all Students of microbiology

9. Number of Participants : 10

10. Brief summary of event :



Student seminar

**Signature of HOD**

**Signature of Convenor**

## Action Plan for the Academic Year 2021-2022

SNO	MONTH & DATE	ACTIVITY	DESCRIPTION	REMARKS
1	JUNE June 5th	Telangana state formation day	Celebration in college	
		<b>World Environment Day</b>	<b>Plantation(Green Challenge by students)</b>	
		Preparation of Departmental action plan, curricular plan (lecturer wise, paper wise)	Activities to conducted curricular and co-curricular are notified	
2	JULY	Semester end theory exams	Exams to I sem, IV, VI semester theory examination	
		Haritha haram	Organizing plantation program	
3	AUGUST	Swachha bharath	Cleaning of college premises, department	

		Student seminars	To conduct Seminars to students in the concern subjects in the classroom	
		Internal assessment -I	Conduct of examinations and recording of marks as per the proforma for I sem	
4	SEPTEMBER Sept 5 <sup>th</sup>	Teachers day	Celebration of teachers day, felicitating the senior teachers	
		<b>Covid Vaccination drive &amp; Survey</b>	<b>Vaccination drive is conducted to have 100% vaccination in department</b>	
		Farewell party	Farewell party to final year students	
	Sept 16 <sup>th</sup>	<b>Ozone protection Day</b>	<b>Painting competition</b>	
		<b>Awards to toppers</b>	<b>Academic excellence awards to topper students in microbiology</b>	
		<b>Election of best microbe student by voting</b>	<b>Election of best microbe student by voting by all the students of microbiology for the nomination</b>	
	17-09-2021	<b>International microbiology Day</b>	Group discussion on “ Recent advances in microbiology” on eve of International microbiology Day	
		<b>Certificate course</b>	Certificate course is being introduced to students to improve their job opportunities	
		<b>Extension Lecture</b>	Extension lecture on job opportunities in microbiology by eminent person	
5	OCTOBER	Student study projects for jignasa	Topic selection and allotment of study project to students	
		Paractical exams	II sem practical exams	
		Cancer day		
		<b>MOU</b> Assignments	<b>MOU with Sritanvi Probiotics,hyd</b> Students assignment were conducted and marks recording in proforma given	
		<b>Orientation to first year students</b>	Orientation on microbiology department and over all college to first year students	
6	NOVEMBER Nov 11 <sup>th</sup>	National Education Day	Conduction of related activites in collaboration	
	Nov 7 <sup>th</sup>	<b>Bridge course</b>	Bridge course to first years to make them learn some basics of microbiology as	

			Microbiology is not included in intermediate education.	
		<b>Cancer awareness Day&amp; Poster presentations</b>	Conduction of awareness program to students	
		Practical examinations	Conduction of practical exam sem end	
		Workshop on instrumentation of microbiology lab	Conduction of workshop to first year and all microbiology students on instrumentation in microbiology lab.	
7	DECEMBER Dec, 1st	AIDS DAY	Awareness program on AIDs and organizing rally in collaboration with Re ribbon club	
		<b>Field trip</b>	<b>A field trip is organized so as to visit a place which will benefit the students a lot.</b>	
		<b>MOU ACTIVITY</b>	Interaction with the students with the partner of MOU with Sritanvi Probiotics,hyd	
		<b>Remedial Classes</b>	Remedial classes to the weak and slow learners of the subject	
8	JANUARY Jan 12th	NATIONAL YOUTH DAY	Celebration of the day in collaboration	
		JIGNASA	State level presentation of study projects by students	
		Sem end theory exams	Semester end theory exams to all semesters	
		<b>Group Presentations competition</b>	To evaluate the student performance a topic will be given to the group of students asked to present to inculcate team spirit in them.	
9	FEBRUARY Feb, 28th	CAREER GUIDANCE	Guidance to students to obtain PG Admissions in universities	
		National Science Day	Celebration in collaboration with other departments	
		State /National level workshop/ seminar	A State /National level workshop/ seminar will be organized to enlighten the students and faculty with recent advances in microbiology	
10	MARCH March 8th	INTERNATIONAL WOMEN'S DAY	condu of various activites & competitions for students and staff	
		Student seminars	To condu Seminars to students in the concern subjects in the classroom	
		Internal assesement -I	Condu of examinations and recording of marks as per the proforma	

		<b>Online-Quiz</b>	<b>Plan to conduct a online quiz to student to improve their subject for coming entrance exams.</b>	
11	APRIL	Practical exams	Practical exams to IV,VI sem	
		<b>Mentor-Mentee interaction</b>	<b>Counselling to students</b>	
		<b>Peer group of learning</b>	<b>Learning by peer groups</b>	
	April 5 <sup>th</sup>	Babu Jagjivan Ram's birthday	Celebration of the day in collaboration in college	
	April 14 <sup>th</sup>	Dr.B.R.Ambedkar's Bithday	Celebration of the day in collaboration in college	

Signature of the HOD with Seal:

# THANK YOU

\*\*\*\*\*THE END\*\*\*\*\*