



**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A),KHAMMAM**  
**DEPARTMENT OF MICROBIOLOGY**

**Swatch Microbiology**

As a part of Swatch Bharath Swatch Microbiology is conducted beginning of the every academic year. The students of our department actively participate in cleaning and reorganising the instruments, glassware & Chemicals in our Microbiology Laboratory. All the chemicals will be sorted according to their alphabetical order.

**Objectives:**

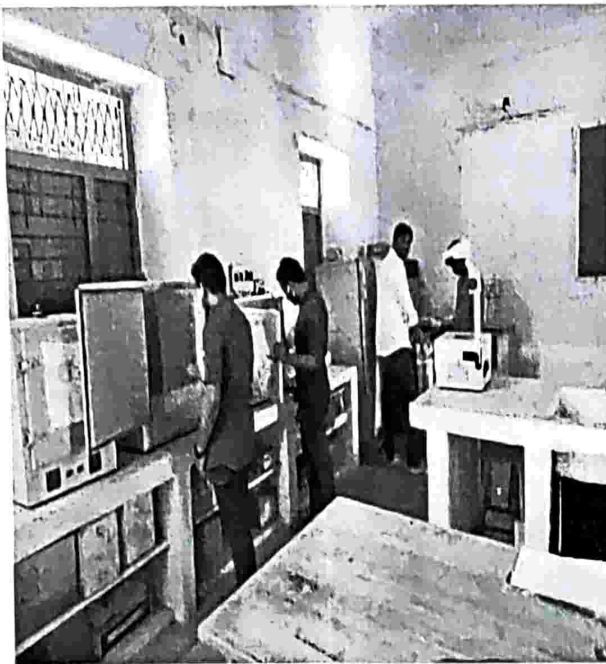
- To promote cleanliness and hygiene
- To make the students familiarise with the laboratory equipment.
- To know the different cleaning procedures for different articles we use in Laboratory
- To know the standard protocols for the cleaning of instruments
- To inculcate the value of group working among students.
- Totally it is a fun way of knowing and learning your laboratory

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Swatch Microbiology 2021-2022  
Date:25.10.2021

s.no	Student name	Class	Signature of the student
1.	THALLURI TRINESH ACHARYA	I MB.2.C	T. Trinesh Acharya
2.	ALLIPURAPU PRUDHVI REDDY	"	A. Prudhvi Reddy
3.	BANOTH JAYANTH NAYAK	"	B. Jayanth Nayak.
4.	BOLLA JITHENDRA	"	B. Jithendra
5.	CHINTHAMALA JASWANTH	"	C. Jaswanth.
6.	CHODAVARAPU SHIVARAMA KRISHNA	"	Ch Shivaramkrisha
7.	GADDALA SUVARNA BABU	"	G. Suvama Babu
8.	GUNDEPOGU RAVI KUMAR	"	G. Ravi Kumar
9.	KONDAMEEDI SUMANTH	"	K. Sumanth.
10.	KOTHAPALLI JAYASURYA	"	K. Jayasurya
11.	NUKALA MUKESH	"	N. Mukesh
12.	NUKALA NAGESH	"	N. Nagesh
13.	PALTHYA CHANDANA	"	P. Chandana.
14.	SANNAILA SUNIL	"	S. Sunil
15.	SINGARAPU UGANDER	"	S. Ugander
16.	SREERAM KIRAN TEJA	"	S. Kiranteja.

# Swatch Microbiology





# BEST PRACTICES

S.No	Name of the Best Practice
1.	Swatch Microbiology
2.	Know a pathogen per week

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2. To make the students familiar with the pathogenic microorganisms, to know the diseases caused by pathogens & to enable the students to learn and memorize the names of important pathogenic microbes we displayed the details of pathogenic microbes every week on the notice board.

**List of the pathogens displayed**

- Escherichia Coli
- Clostridium Botulinum
- Bacillus subtilis
- Bacillus anthracis
- Enterococcus faecalis
- Leuconostocmesenteteroides
- Clostridium tetani
- Corynebacterium diphtheriae
- Haemophilus influenzae
- Klebsiella pneumoniae
- Mycobacterium tuberculosis
- Neisseria gonorrhoeae
- Pseudomonas aeruginosa
- Salmonella typhimurium
- Shigella dysenteriae
- Streptococcus pneumoniae
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus faecalis
- Treponema pallidum
- Vibrio cholerae
- Pseudomonas Aeruginosa

① Tuberculosis  
 Family: Mycobacteriaceae  
 Genus: Mycobacterium  
 Species: Mycobacterium tuberculosis  
 Tuberculosis is caused by a bacterium called Mycobacterium tuberculosis. The bacteria usually pass through the lungs, but the bacteria can enter any part of the body such as the kidney, spine and brain. It is a very serious disease with the bacteria forming a hard mass called tubercle.

② Staphylococcus aureus  
 Family: Staphylococcaceae  
 Genus: Staphylococcus  
 Species: Staphylococcus aureus  
 Staphylococcus aureus is a species of Gram positive bacteria. It is usually staphylococci. It is a common pathogen that causes a wide range of medical infections. It is found on the skin, nose, throat and other parts of the body. It is a very common cause of skin infections such as boils and abscesses.

③ Cholera  
 Family: Vibrionaceae  
 Genus: Vibrio  
 Species: Vibrio cholerae  
 Cholera is a very acute diarrhoeal illness caused by infection of the intestine with the toxigenic bacterium Vibrio cholerae. It is a very common disease in developing areas. It is caused by the bacterium Vibrio cholerae which is a Gram negative, comma-shaped bacterium. It is a very common cause of diarrhoea and dehydration, especially in children.

④ Typhoid  
 Family: Enterobacteriaceae  
 Genus: Salmonella  
 Species: Salmonella typhi  
 Typhoid is a systemic illness caused by the bacterium Salmonella typhi. It is a very common disease in developing areas. It is caused by the bacterium Salmonella typhi which is a Gram negative, rod-shaped bacterium. It is a very common cause of fever, headache, and diarrhoea.