



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Criterion 2.3.2: ICT-Enabled Tools

The institution utilizes the following ICT-enabled tools to support teaching, learning, and research:

Software:

- Ex-Pharm
- CliniRex

Digital Resources:

- Institutional website
- College library
- Digital library

Audio-Visual Aids:

- LCD projectors for PowerPoint presentations and lab instructions

These ICT-enabled tools enhance the learning experience, facilitate access to information, and promote effective teaching.


PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Software: Different software is used such as **Ex-Pharm** which is mainly used to perform pharmacology experiments or practical. With the help of this software students can perform Pharmacological experiments through “Computer Assisted Learning (CAL)” and “Animal Stimulation” without harming the animals. The modules in this software can be used to demonstrate effect of

drugs on different animal systems. The software is being used and tested by pharmacologist from many years. The package is user friendly highly interactive and full of animated sequences, which make stimulation appear realistic. There is another software used which is known as **Clinirex**. It is currently the only tool which is used by the doctor of pharmacy students providing Documentation and drug information in one platform.

Virtual Lab Ex-Pharm Software Bharat

Welcome! Bharat School of Pharmacy, Mangalpally, Ibrahimpatnam, Ranga Reddy District 501510

Experimental Pharmacology Series

Experiments List

*	Study of muscle relaxant activity with the help of "rota rod apparatus".	
*	Study of cns depressants & stimulants using "actophotometer".	
*	Study of analgesic activity with the help of "tail flick apparatus".	
*	Study of antihistaminic drugs with the help of histamine chamber (mast cell stabilization method).	
*	Study of analgesic activity with the help of "hot plate apparatus".	
*	Study of drugs acting on cns using "elevated plus maze".	

Experiment of Guinea Pig ileum

Recording of DRC and bioassay of histamine on the ileum of guinea pig by matching method.

To study effect of agonist and antagonist on guinea pig ileum

To Start Experiment Click Here

To enlarge the window size Please press ctrl with + or - key

Prev Page Next Page Help

PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Organ / Tissue Bath Assembly



Objective : Bioassay of Oxytocin by Interpolation method

Requirement

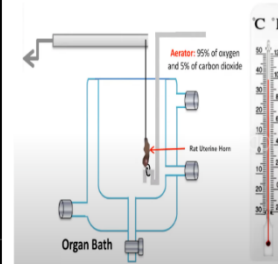
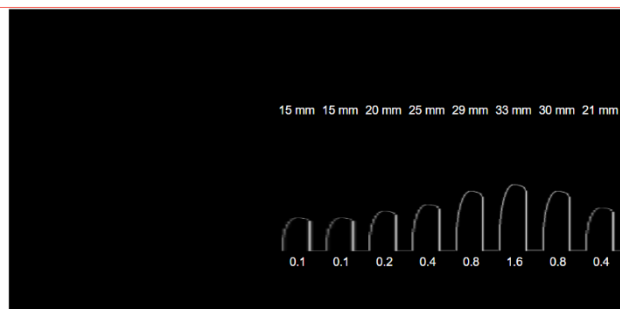
Rat Uterine Horn Image

Rat Uterine Horn Video

Procedure

Observation

Result



Dose Selection:

Test

Concentration:

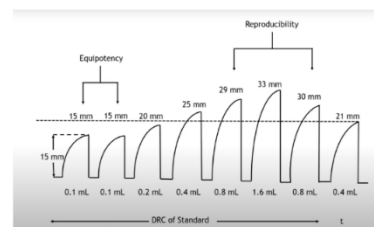
0.4 ml

Inject

Procedure :

1. Examine the vaginal smear under microscope to know about the proper stage of oestrus cycle.
2. If the rat is not in frank oestrus, inject 0.1 mg/kg of stilboestrol and wait for 24 hrs. (Vaginal smear is prepared by taking a drop of the vaginal wash and putting on the glass slide).
3. Sacrifice the animal and cut open the pelvic region to expose both the horns of uterus.
4. Separate the horns gently from the surrounding fatty material, and transfer them into dish containing De Jalon's solution.
5. Record the DRC of Standard.
6. Repeat the first dose (0.1 mL) till the height of the response obtained is same to ensure the stabilization of tissue preparation.
7. Elicit the responses of Oxytocin in increasing doses in geometric progression (0.2, 0.4, 0.8, 1.6, 3.2 mL) till you get the maximum response with high concentration.
8. Record the response of a certain volume of test solution.
9. Note that the volume selected.

Observation



Conc. of Standard Oxytocin = 1 µg/mL

Sample	Dose (mL)	Conc. (µg)	Log conc.	Height of contraction (mm)	% Res.
Standard (Oxytocin)	0.1	0.1	-1	15	45.45
	0.2	0.2	-0.6989	20	60.61
	0.4	0.4	-0.3979	25	75.76
	0.8	0.8	-0.097	29	87.88
	1.6	1.6	0.2041	33	100
Test	0.4	-	-0.63	21	63.64

PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

CliniRex: The software and services provided by CliniRex focus on streamlining clinical trials, ensuring regulatory compliance, and managing data efficiently.

This software is a combination of tools and services which helps the organizations efficiently bringing innovative treatments to market while maintaining the highest standards of safety and compliance.

Patient Profile Form

MR SP (On Bed)

IP No: 222302941... Male Age: 35

Admission date: 24-11-2022

Neurological Department

HEADACHE AND BTCS TENDER EVALU...

K N (Discharged)

IP No: 2324014295 Female Age: 28

Admission date: 23-07-2023

Neurological Department

FRONTAL LOBE EPILEPSY, FOCAL EP...

MR P (Discharged)

IP No: 2224024160 Male Age: 58

Patient Profile Form

AD (Discharged)

IP No: 2324010507... Female Age: 36

Admission date: 29-07-2023

Nephrology

Acute gastritis without bleed...

adc (Discharged)

IP No: 2324016827 Female Age: 80

Admission date: 11-08-2023

Neurological Department

Vascular dementia with behavio...

XYZ (Discharged)

IP No: 2324001 Male Age: 63

Admission date: 04-04-2023

Cardiovascular department

IP	Name	Reg No	Age	Gender	Status	Diagnosis	Admission date	Hospital Unit	Related Activity	Add Activity
IP2224029252	MRS VENKATA SUB...	IP2224029252	Age : 78	Gender : F	Discharged	SEVERE METABOLIC A...	18 Nov 2023	IM1	nil	Select
232401743	NEERAJA SAXENA	Reg No : 232401743	Age : 67	Gender : F	Discharged	Advanced osteoarthr...	16 Aug 2023	Orthopedics I	nil	Select
IP2324010741	BALA PRASADH	Reg No : IP2324010741	Age : 57	Gender : M	Discharged	Acute febrile illness...	26 Jun 2023	IM1	nil	Select
2223035974	Durham Madhura	Reg No : 2223035974	Age : 54	Gender : F	Discharged	Acute febrile illness...	23 Jun 2023	Oncology	nil	Select

PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

< Patient Profile Form

All Discharge Live OP

cd Discharged

IP No : 2324007581 Male Age : 30

Admission date : 02-06-2023

Neurological Department

cerebellar tuberculoma,

< Patient Profile Form

All Discharge Live OP

CD Discharged

IP No : 2324014268 Female Age : 74

Admission date : 22-07-2023

INTERNAL MEDICINE

ACUTE FEBRILE ILLNESS UNDER EV...

< Patient Profile Form

All Discharge Live OP

DS Discharged

IP No : 222302812 Male Age : 74

Admission date : 01-10-2023

INTERNAL MEDICINE

VIRAL PYREXIA WITH BICYTOPENIA...

< Patient Profile Form

All Discharge Live OP

ab Discharged

IP No : 2223025300 Female Age : 80

Admission date : 22-10-2022

INTERNAL MEDICINE

THROMBOCYTOPENIA UNDER EVALUAT...

< Patient Profile Form

All Discharge Live OP

DC Discharged

IP No : 2223027776 Female Age : 53

Admission date : 12-11-2022

INTERNAL MEDICINE

URINARY TRACT INFECTION (UTI) ...

< Patient Profile Form

All Discharge Live OP

AC Discharged

IP No : 2223043776 Male Age : 68

Admission date : 27-03-2023

Respiratory Department

LUNG INFECTION,BRONCHOPEUMONIA...


PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

< User Profile

First Name

Abdul

Last Name

Thalha

UserName

abdulthalha@clinirex.com

College Name

Bharat Institute of Technology

Register Mobile Number

9949582009

Change

Register Email Address

abdulthalha58@gmail.com

Hall Ticket Number

21171T0010

Year of Study

4th year

SAVE & NEXT

Abc

On Bed

IP No :

2425026132

Female

Age : 56

Admission date : 17-10-2024

INTERNAL MEDICINE

Viral pyrexia ,Hypoxia ,Acute ...

RS

Discharged

IP No :

2324007581

Male

Age : 30

Admission date : 02-06-2023

Respiratory Department

CEREBELLAR TUBERCULOMA,


PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.

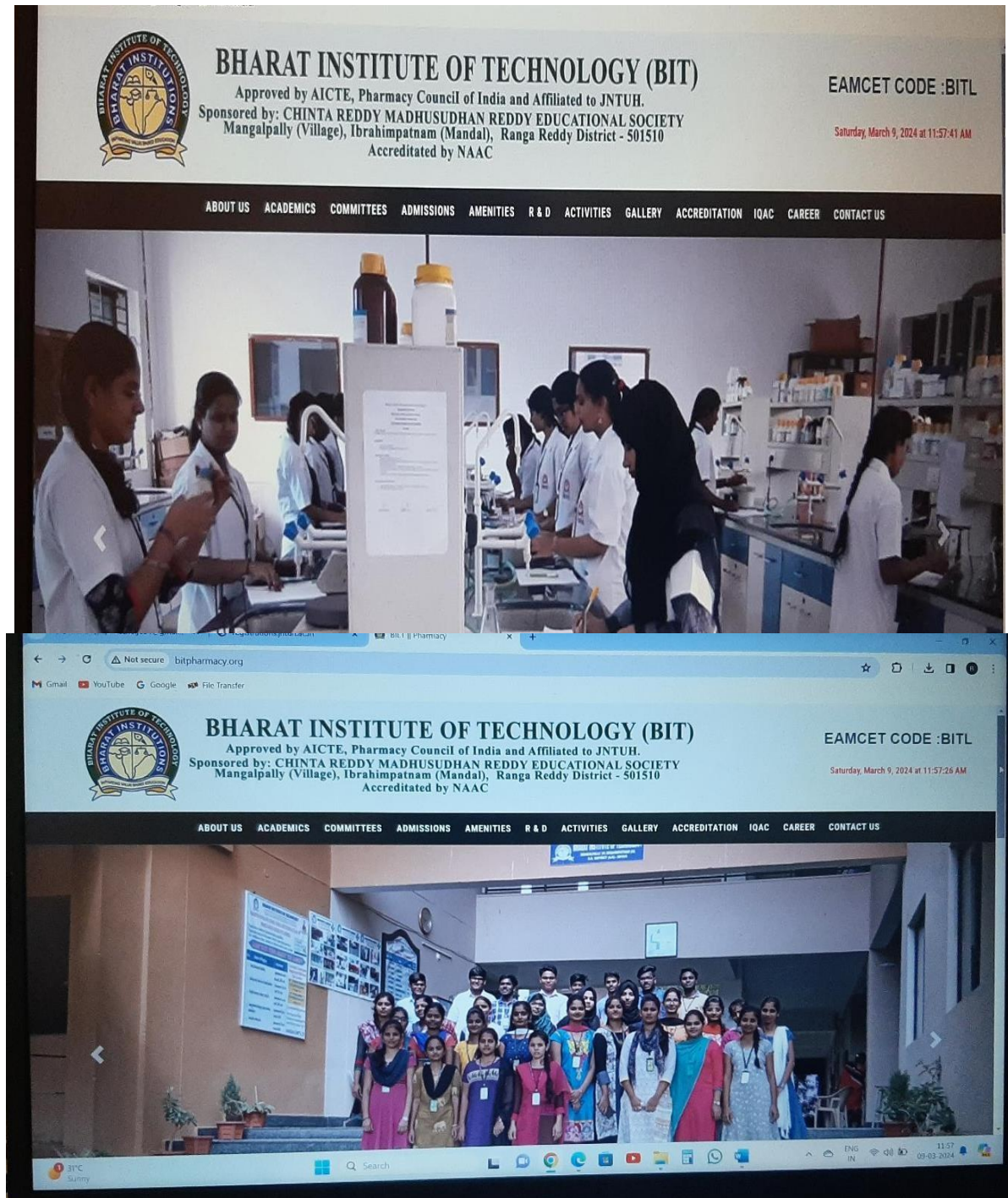


BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Website: College website can be searched in bitpharmacy.org where all the information related to the college is reflected along with the upcoming events.



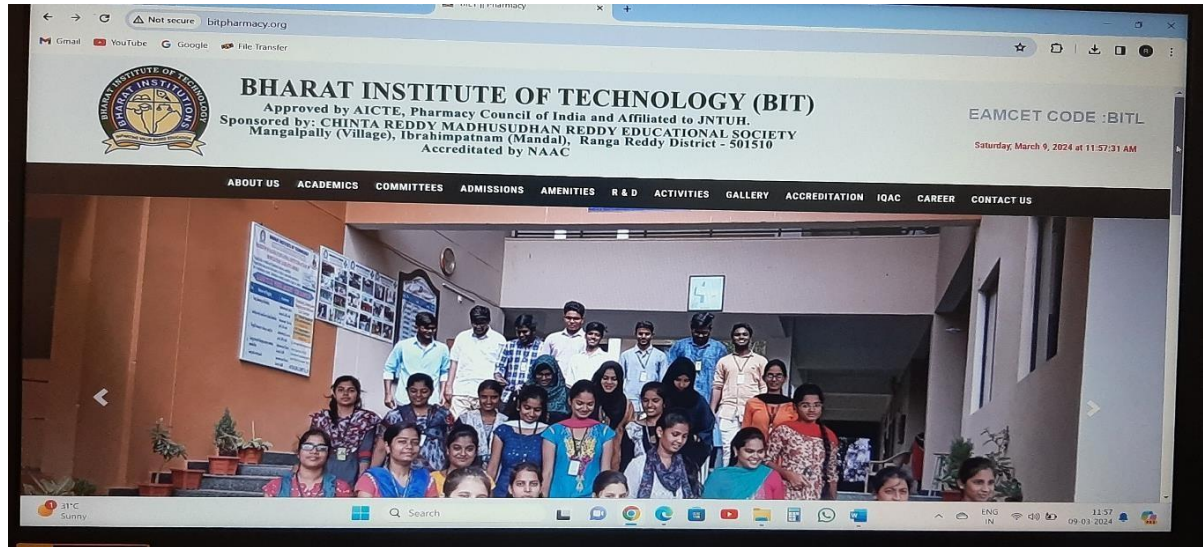
PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)



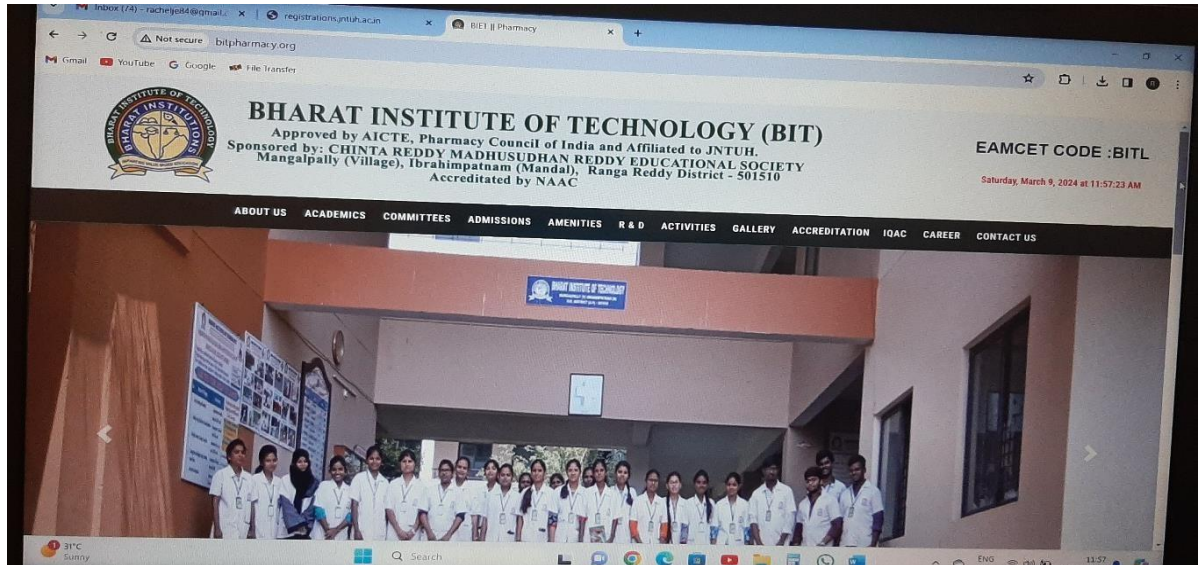

PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)



PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.

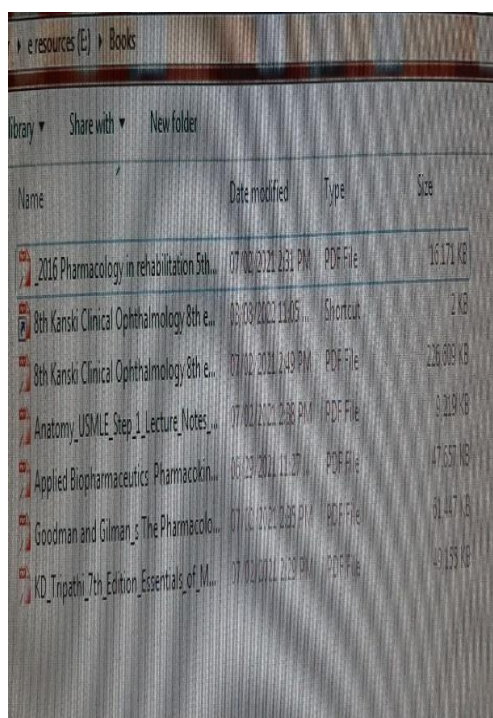
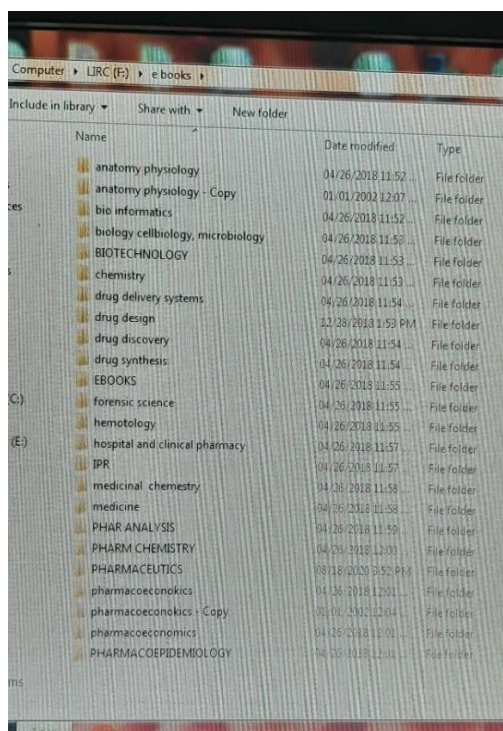
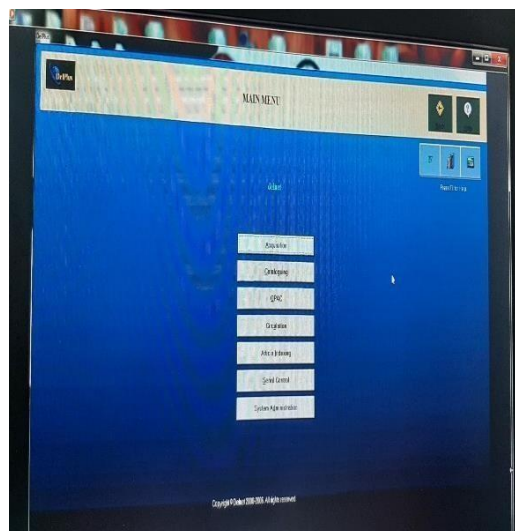
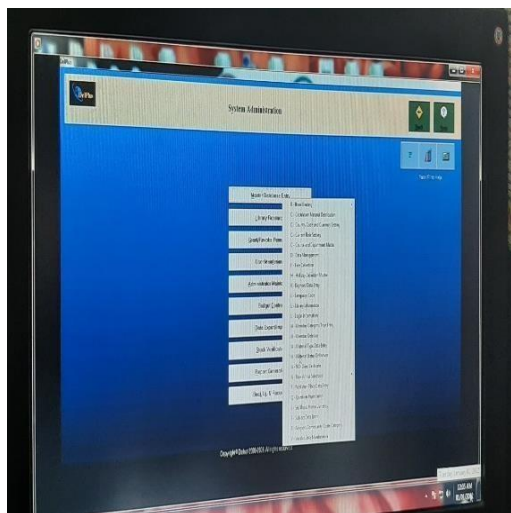


BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Library: Bharat Institute of Technology has a wonderful Library which exist in physical and digital forms and offers a various service not limiting to books alone. We have many services such as Magazines, newspaper, e-books, audio books, databases and many more. students are given many options to refer many e-journals and visit the digital library.



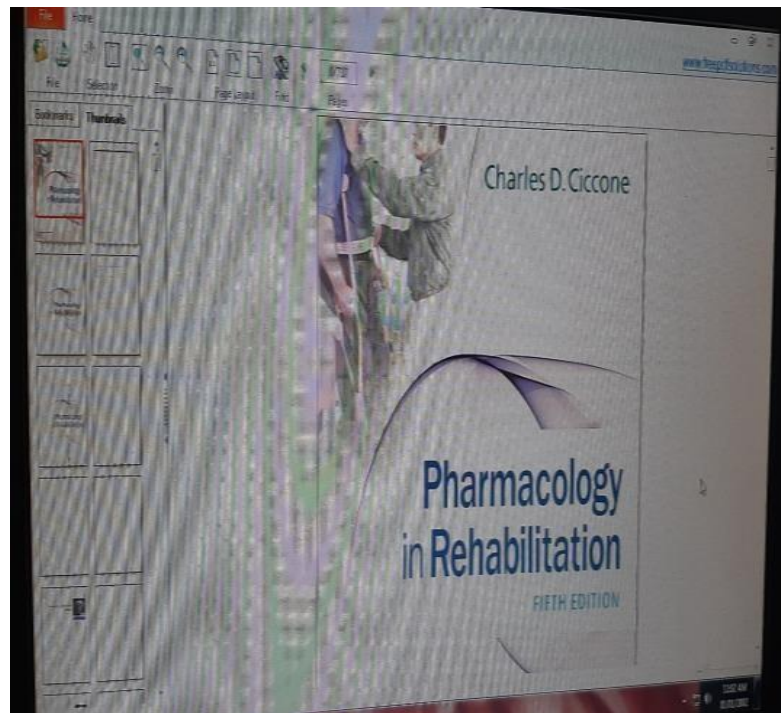
PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)



PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

LCD Projector: LCD Projector is used for the effective learning where different PPT are shared with good diagrams and flowcharts where student can learn in a better way. This type of learning reduces the time and increases the productivity of learning experience among the students.



PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)



PRINCIPAL
Bharat Institute of Technology
Mangalpally (M), Ibrahimpetnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)

Lab Instructions: Students are explained different instruments and their working. This will not only enhance their knowledge in theory but also increases their practical knowledge which will help them to know the subject in a better way.




PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally, Ibrahimpatnam, R.R. District, PIN-501510

(Affiliated to JNTUH, Approved by AICTE and PCI, New Delhi. Accredited by NAAC)




PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.