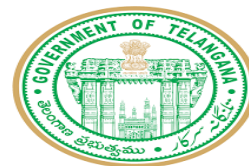




**TELANGANA TRIBAL WELFARE  
RESIDENTIAL DEGREE COLLEGE (GIRLS),  
KOTHAGUDEM**  
**Bhadradi Kothagudem District, Telangana State –**  
**507101**

(Affiliated to Kakatiya University, Warangal, Telangana)

Website: <https://ttwrdds.ac.in/.Kothagudem>



## **Department of Botany**

### **Information And Communication Technology Tools In Learning : Botany**

Information Communication technology tools contribute to high quality learn. Since they have potential to increase students motivation connect students to many information sources support active in class and out class learning environment . In all countries , teachers have had to develop new skills while , in many countries, the students are often far more advanced than their teachers in the skills of using smart boards, smart phones, I pads and laptops .The main advantages to take ICT classes for students to improve learning skills .

The activities carried out through Digital and interactive tools increase students concentration and therefore they assimilate concept more quickly enhancing learning .This type of tools involves students in more practical learning with the aim of reinforcing what they have learnt

The Department of Botany also used PPT/ICT for effective teaching in the class room and gain knowledge to the students

## Academic year 2019-20

S.NO	DATE	CLASS	ICT TOOL	TOPICS COVERED	NO.OF STUDENTS ATTENDED
1	4-7-2019	III B.SC[BZC]	Power point presentation	Genetic Drift	29
2	5-7-2019	II B.SC[BZC]	Power point presentation	Complex tissues	23
3	10-7-2019	I B.SC[BZC]	Power point presentation	Bacterial diseases	35
4	18-7-2019	III B.SC[BZC]	Power point presentation	In-situ & Ex-situ conservation	27
5	2-8-2019	I B.SC[BZC]	Power point presentation	Plant diseases caused by Virus	35
6	20-8-2019	II B.SC[BZC]	Power point presentation	Stomatal types	22
7	5-11-2019	II B.SC[BZC]	Power point presentation	Xerophytes and Importance	20
8	12-12-2019	I B.SC[BZC]	Power point presentation	Polysiphonia life cycle	33
9	20-01-2020	III B.SC[BZC]	Power point presentation	Ornamental plants in india	25
10	27-01-2020	I B.SC[BZC]	Power point presentation	Volvox life cycle	30

## Academic year 2020-21

S.NO	DATE	CLASS	ICT TOOL	TOPICS COVERED	NO.OF STUDENTS ATTENDED
1	10-8-2020	II B.SC[BZC]	Power point presentation	Achyranthes	37
2	14-8-2020	I B.SC[BZC]	Power point presentation	Cercospora	28
3	18-8-2020	III B.SC[BZC]	Power point presentation	IUCN rules	23
4	10-9-2020	I B.SC[BZC]	Power point presentation	Pinus male & female cone	23
5	21-9-2020	II B.SC[BZC]	Power point presentation	Micro-sporogenesis	32
6	19-10-2020	III B.SC[BZC]	Power point presentation	Micro-Propagation	22
7	16-11-2020	II B.SC[BZC]	Online class for students	Pollen pistil interaction	34
8	18-12-2020	I B.SC[BZC]	Power point presentation	Bentham& Hooker classification	25
9	20-1-2021	III B.SC[BZC]	Power point presentation	Protoplast culture	20
10	25-1-2021	II B.SC[BZC]	Power point presentation	Plasma membrane	35



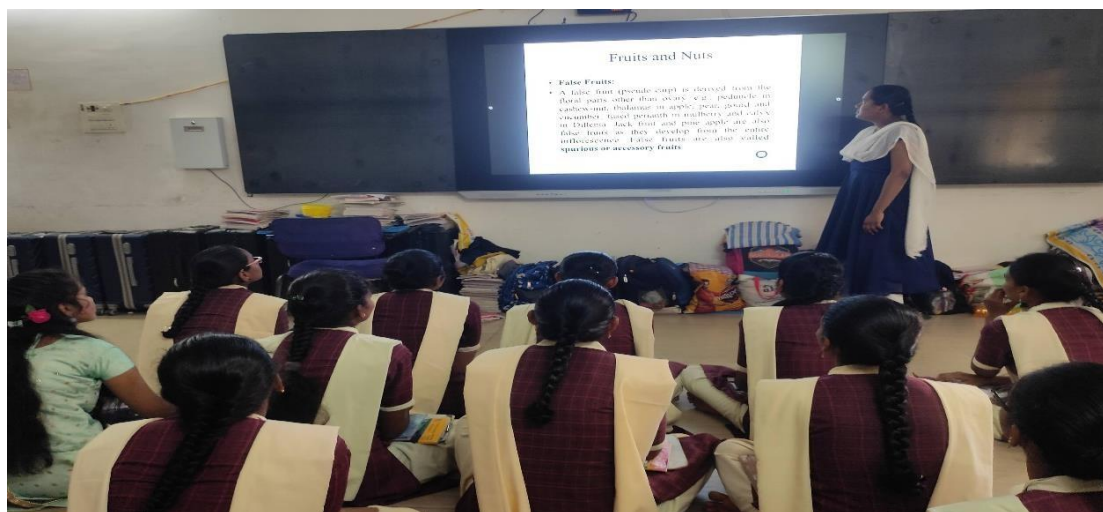
## Academic year 2021-22

S.NO	DATE	CLASS	ICT TOOL	TOPICS COVERED	NO.OF STUDENTS ATTENDED
1	6-9-2021	II B.SC[BZC]	Power point presentation	Seed structure	28
2	13-9-2021	III B.SC[BZC]	Power point presentation	Agro based biodiversity	37
3	17-9-2021	I B.SC[BZC]	Power point presentation	Lycopodium life cycle	26
4	18-10-2021	II B.SC[BZC]	Power point presentation	Structure of DNA	24
5	21-10-2021	III B.SC[BZC]	Power point presentation	Wood and its uses	34
6	15-10-2021	II B.SC[BZC]	Power point presentation	Water potentials	26
7	19-10-2021	I B.SC[BZC]	Power point presentation	Stelar evolution	25
8	14-2-2022	III B.SC[BZC]	Power point presentation	Transgenic Plants	35



## Academic year 2022-23

S.NO	DATE	CLASS	ICT TOOL	TOPICS COVERED	NO.OF STUDENTS ATTENDED
1	8-8-2022	IIIB.SC[BZC]	Power point presentation	r-DNA technology	28
2	12-8-2022	IIB.SC[BZC]	Power point presentation	Glycolysis	26
3	16-8-2022	I B.SC[BZC]	Power point presentation	Fabaceae family	26
4	5-9-2022	II B.SC[BZC]	Power point presentation	Nitrogen metabolism	24
5	9-9-2022	III B.SC[BZC]	Power point presentation	Polymerase chain reaction	25
6	10-10-2022	IIB.SC[BZC]	Power point presentation	Mitosis	23
7	14-10-2022	IB.SC[BZC]	Power point presentation	Orchidaceae family	25
8	12-10-2023	III B.SC (BZC)	Digital board	Fruits and nuts classification	26
9	4-11-2023	I B.SC (BZC)	Digital board	Puccinia life cycle	24
10	16-11-2023	II B.SC (BZC)	Digital board	Secondary Growth	25



## Academic year 2023-24

S.no	Date	Class	ICT TOOL	Topics covered	No.of students attended
1	09-10-23	IIBZC	Poster presentation	Leaf culture	23
1	11-11-23	I BZC	Digital Board	Puccinia	20
2	16-11-23	II BZC	Digital Board	Secondary growth	25
3	10-12-23	I BZC	Poster presentation	Bacterial cell structure	24
4	01-02-24	IIBZC	Digital Board	Protoplast isolation	22
5	02-02-24	IIBZC	Digital Board	Water potential structure of chromosome	23

