

GOVT. DEGREE FOR WOMEN NALGONDA

DEPARTMENT OF BOTANY

INNOVATIVE & BEST PRACTICES

2020-21

1. QR CODES TO PLANTS:

While the world seems to be going digital, people lack the time to read books and process the information they contain. So, we (department of botany) have decided to exploit the rapidly growing platform for unique purpose. Students in the college campus were seen using their smartphones, not to play games, take selfies, but to scan QR codes hung on the trees for its information. These QR codes give students all the information they need to know about the tree or plant from its scientific name to its importance or value. They only need to put their smart phones to use.



2. SEED BALL MAKING AND PLANTATION:

As part of this activity students were being trained in the construction of seed balls and seed bombing. Sri. S. Veeraiah, Asst. professor of botany train the students in construction of seed balls and seed bombing on either side of the roads while they coming to the college by busses.

A seed ball (or seed bomb) is a seed that is wrapped in a mixture of clay and cattle dung or compost. The cattle dung or compost helps protect the seed from predators such as birds, rodents and insects and extremes of temperature till the rains arrive. Once soaked, the seed ball will help retain and prolong a moist environment around the seed to promote germination. Essentially, the seed is 'pre-planted' and can be sown by depositing the seed ball anywhere suitable for the species, keeping the seed safely until the proper germination opportunity arises. Seed balls are an easy way to grow trees with a longer germination time span. They are inexpensive and can be easily dispersed over large areas which are often hard to reach. Direct seeding reduces shock of transplanting saplings and helps the young trees grow stronger roots and hence stronger trees.

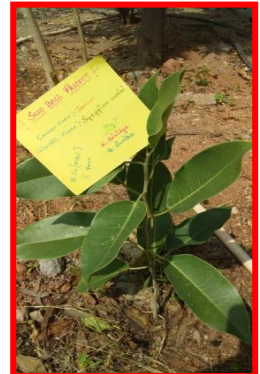


మొక్కల పెంపకంపై అవగాహన



అవగాహన కల్పిస్తున్న అధ్యాపకులు

సజ్జగోండ రూరల్ : విత్తన బంతుల ద్వారా మొక్కల పెంపకం చేపట్టాలని వ్యక్తపర్చిన అధిపతి లక్ష్మీనారాయణ, కళాశాల ప్రెసిడెంట్ మనశ్యామ్ అన్నారు. సోమవారం స్థానిక మహిళా డిగ్రీ కళాశాల విద్యార్థినులకు పాఠ్యపుస్తకాలు అందజేసిన అనంతరం కళాశాలలో విత్తన బంతుల తయారీపై అవగాహన కల్పించారు. విద్యార్థులు సొంతంగా విత్తన బంతులు తయారు చేసి కళాశాల ప్రాంగణంలో వేశారు. కార్యక్రమంలో బాస్కురెడ్డి, వీరయ్య, శ్రీనివాసరెడ్డి, లక్ష్మీనారాయణ, సరిక, రాజారామ్, స్వామి, సరేళ్ళి, యాదగిరి, కదితరులు పాల్గొన్నారు.



BEST PRACTICES

1. Medicinal Garden

Department of botany is maintaining a medicinal garden in 600 square foot area in the college campus. Students are actively involved in the plantation of medicinal plant saplings, weed removal and watering the medicinal plants. So far, we have planted 13 species of medicinal plants. We also tagged these medicinal plants with QR codes. These QR codes give full information about the medicinal plants like scientific name, common name, habitat, useful part and the medicinal values.



2. ICT TOOLS USED IN TEACHING LEARNING & EVALUATION

For effective transformation of curriculum, the faculty members of the department use information and communication technology tools in teaching.

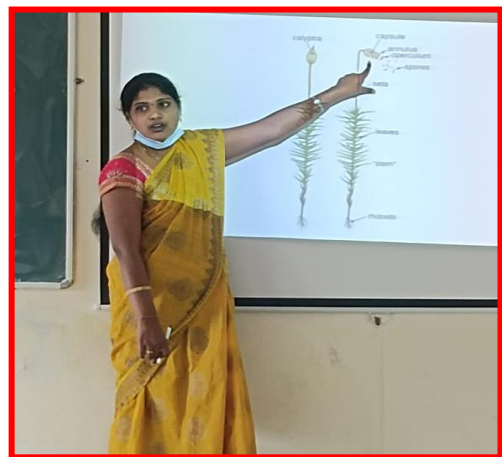
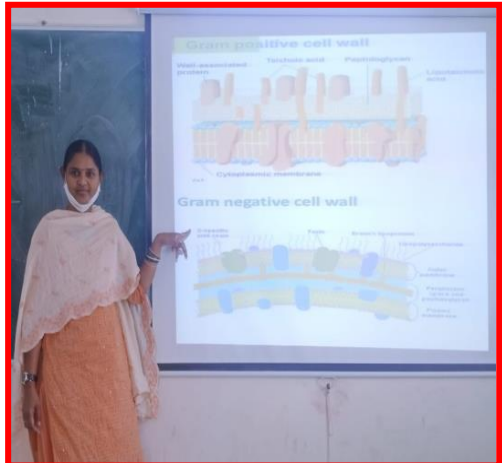
ICT TOOLS used in teaching

- Power point presentations
- Individual YouTube channels
- Google class rooms
- Department Google Site
- Zoom classes
- Google forms
- Virtual labs

POWER POINT PRESENTATIONS (PPT's):

S. No	Name of the Faculty	No of PPT's	Total no. of slides
1	Dr. K. Srinivasa Reddy	32	329
2	Sri. S. Veeraiah	20	426
3	Smt. G. Saritha	8	83
4	Smt.P. Sunitha	20	523
5	Smt. S. Swapna	50	2091
	Total	130	3452

POWER POINT PRESENTATIONS (PPT's):



YOUTUBE CHANNELS MAINTAINED BY THE FACULTY

Each faculty members of the department is maintaining a youtube channel to prepare & share the video lessons with students.

Details of YouTube channels maintained by the faculty members of the department.

S. No	Name of the Faculty	No of Youtube video's	YOUTUBE CHANNEL LINK
1	Dr. K. Srinivasa Reddy	27	https://www.youtube.com/channel/UCbOy1rHMYWV2VLqzUWkrF0g/videos
2	Sri. S. Veeraiah	20	https://www.youtube.com/channel/UCZpvGbXzLGXv84wlB_wxhRQ/videos
3	Smt. G. Saritha	65	https://www.youtube.com/channel/UCxQQqack7_62uYPeEnDmtiA
4	Smt.P. Sunitha	25	https://www.youtube.com/channel/UCKHHhK6MA8lyUbNBohSTwzw/featured
5	Smt. S. Swapna	20	https://www.youtube.com/channel/UC3WypJWfD4M67BQmm593Rg/video

GOOGLECLASSROOMS MAINTAINED BY THE FACULTY: Google classrooms are used to conduct online assignments, surveys & Quizzes etc.. in teaching & Learning process.

S. No	Name of the Faculty	No of Google classrooms maintained
1	Dr. K. Srinivasa Reddy	6
2	Sri. S. Veeraiah	7
3	Smt. G. Saritha	6
4	Smt.P. Sunitha	3
5	Smt. S. Swapna	2
	Total	24

SCREENSHOTS OF GOOGLE CLASS



I

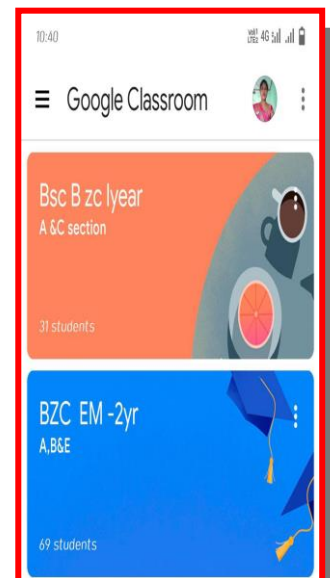
Dr. K. Srinivasa Reddy



G. Saritha

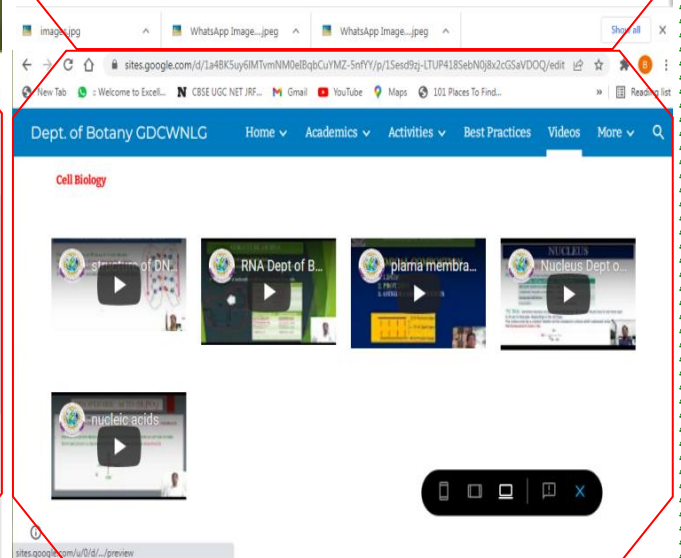
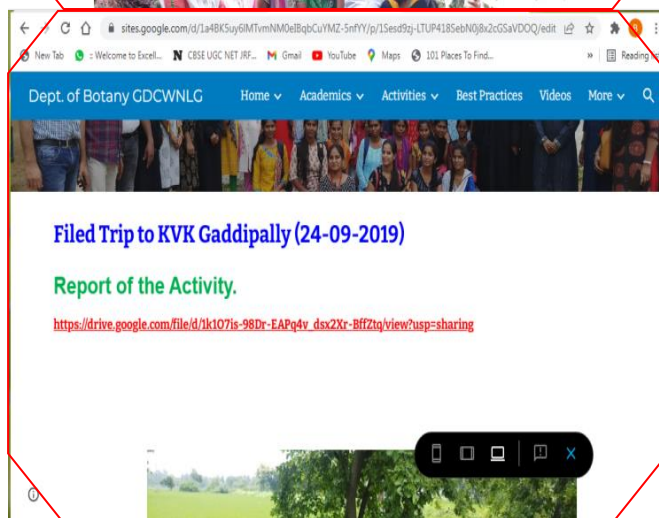
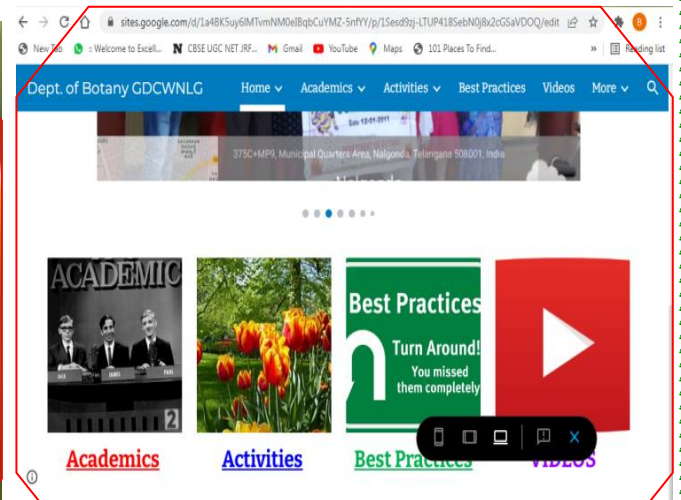
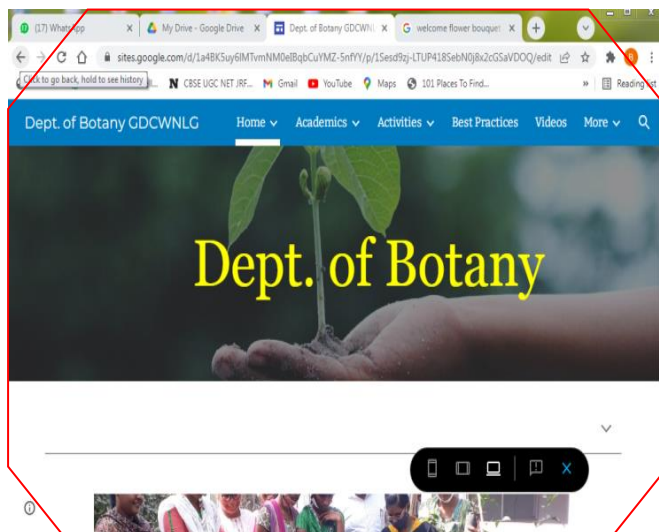


P. Sunitha



S. Swapna

DEPARTMENT GOOGLE SITE: It is used to share the e-content materias, video lessons, syllabus, time tables with students.



ZOOM CLASSES


Zoom platform is a platform which enables us to take online classes for the students. Faculty members in the department are extensively using this to reach out their students online. For the academic year 2019-20 & 2020-21, Department faculty members taught through online classes. **GOOGLE FORMS:**

The faculty members of the department are regularly uses google forms to conduct quizzes and online survey purpose.

VIRTUAL LABS:

Virtual labs are used to demonstrate the experiments of botany.


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