

S.R.R. & C.V.R. Government Degree College (A)

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004

SKILL DEVELOPMENT ACTIVITY DRIP IRRIGATION- 3.10.2017



DEPARTMENT OF BOTANY

SRR & CVR Government Degree College

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	October 2017
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Extension activity/ Skill development
Title of the Activity	Drip irrigation in Bottle garden
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	B.SC BZC Students
No of students participated	45
Name of the Lecturers who planned & conducted the activity	Planned and Organized by Mrs M. Sravana Valli Lecturer In Charge Mrs D. Jyothi, Lecturer in Botany
Remarks	Drip irrigation was a success and students involved with much interested in this activity

Department of Botany SRR & CVR Govt Degree College initiated maintenance of medicinal plants, a skill development activity in October 2017.

Pre Preparation /Action Plan :

Students and Faculty initiated the skill development activity on the concept of drip irrigation .
III BZC students took an active part in this activity



III BZC students participating in Drip irrigation activity in Dept premises

Motive of this program:

Making the students aware about the concept of drip irrigation and the significance of water usage .

Significance and Report:

Drip irrigation is the most efficient water and nutrient delivery system for growing crops. It delivers water and nutrients directly to the plant's root zone, in the right amounts, at the right time, so each plant gets the accurate needed amount for optimal growth .

Drip irrigation involves placing tubing with emitters on the ground alongside the plants. The emitters slowly drip water into the soil at the root zone. Because moisture levels are kept at an optimal range, plant productivity and quality improve.

students used consumed/waste water bottles for practicing drip irrigation in dept premises,



Due to increasing water scarcity we need a way to increase agricultural productivity *and* resource efficiency.

Students got plastic bottles , cleaned the bottle thoroughly with water, and removed the label.

Poked 4 to 5 holes in the cap. Removed the cap and set it down on a piece of scrap wood. Used a nail and hammer to poke several holes into it. Place the cap back onto the bottle.

Cut the bottom off of the bottle. with a knife or scissors about 2.54 centimeters at the bottom of the bottle .

Dig a hole into the soil about 4 to 6 inches (10.16 to 15.24 centimeters) away from the plant's stem.

Place the bottle into the hole, cap-side-down. screw the cap back onto the bottle. Flip the bottle upside down, and insert it cap-side-down into the hole. Gently pat the soil down around the bottle.

Fill the bottle with water, and invert the bottom of the bottle so it rests on the water, ready to catch any debris that would otherwise sink and clog the system.

Advantages of drip irrigation:

- **High availability of water and nutrients**
- **Doses of water and nutrients tailored to plant's development needs**
- **No saturation and good soil aeration**
- **Avoids high salinity caused by excessive fertilizer application**
- **No wetting of foliage that can result in fungal diseases**

Drip irrigation changed the economics of global agriculture by allowing farmers to produce more calories per hectare and cubic meter of water.

- **Reduce impact of drought and climate change on food production**
- **Avoid contamination of groundwater and rivers caused by fertilizer leaching**
- **Support rural communities, reduce poverty, reduce migration to cities**

SRR & CVR Government Degree College

An Autonomous & ISO 9001:2015 Certified Institution. Ranked by NIRF in top 100 band of NIRF-2020 & top 200 band in NIRF-2019. NAAC accredited Institution with grade B3 with C&D-A 2.6 during March, 2012.
Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY



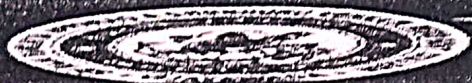
DEPARTMENT OF BOTANY

STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
1	3-10-17	II B.2C	163174022	Prasanth	Good
2	3/10/17	II B.2C	163174020	Pravanthi	Satisfactory
3	3/10/17	II B.2C	163174024	RATU	Good
4	3/10/17	II B.2C	163174028	Bhara Naksh	Useful
5	3/10/17	II B.2C	163174026	Rangaprasad	Good
6	3/10/17	II B.2C	163174047	Geetha	Useful
7	3/10/17	II B.2C	163174041	N. Mounika	Useful
8	3-10-17	II B.2C	163174023	Prasanna	Satisfied
9	3/10/17	II B.2C	163174021	Jeevan Kumar	Not aware
10	3/10/17	II B.2C	163174025	Madhu Babu	Good
11	3/10/17	II B.2C	163174027	Deepu	Good
12	3/10/17	II B.2C	163174040	Sarvesh	Good
13	3/10/17	II B.2C	163174041	Dinjee	Useful
14	3/10/17	II B.2C	163174030	Naga Prakash	Useful
15	3/10/17	II B.2C	163174042	Naveesh	Good
16	3/10/17	II B.2C	163174020	A. Indhu	Useful



DEPARTMENT OF BOTANY



STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
17.	3/10/17	II B2C	163174021	A. Jayanth	Good.
18.	3/10/17	II B2C	163174022	B. Blessy	Useful.
19.	3/10/17	II B2C	163174023	B. Pramila	Good
20.	3/10/17	II B2C	163174024	B. Samhitha	useful
21.	3/10/17	II B2C	163174025	B. Rajkumar	Beneficial
22.	3/10/17	II B2C	163174026	B. Prasanthi	got awareness
23.	3/10/17	II B2C	163174027	G. Visaya	Beneficial
24.	3/10/17	II B2C	163174030	G. Siva SP	Good
25.	3/10/17	II B2C	163174031	G. Susmitha	Useful.
26.	3/10/17	II B2C	163174034	K. Venkatesh	Got awareness.
27.	3/10/17	II B2C	163174035	K. Balaramu	Good.
28.	3/10/17	II B2C	163174037	K. Balaramu	Useful.
29.	3/10/17	II B2C	163174038	M. Prasanthi	Good
30.	3/10/17	II B2C	163174039	M. Hanoku	useful
31.	3/10/17	II B2C	163174040	N. Nanya	Good
32.	3/10/17	II B2C	163174041	P. Ranjith	Good.





STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
33	3/10/17	II BZC	163174042	P. K. Sranthi	Useful.
34	3/10/17	II BZC	163174043	P. Mangamma	Beneficial
35	3/10/17	II BZC	163174044	P. Deva	Good.
36	3/10/17	II BZC	163174046	R. Srujana	Good awareness
37	3/10/17	II BZC	163174047	R. Kalayam	Good.
38	3/10/17	II BZC	163174048	S. Lakshmi	Useful.
39	3/10/17	II BZC	163174051	S. K. Allahbi	Good.
40	3/10/17	II BZC	163174052	S. K. Mirjan Bhasha	Excellent.
41	3/10/17	II BZC	163174053	S. Rama Lakshmi	Beneficial
42	3/10/17	II BZC	163174054	T. Paidi Raju	Very good.
43	3/10/17	II BZC	163174055	V. Prasad Kumar	Good awareness
44	3/10/17	II BZC	163174056	V. Mamatha	Good.
45	3/10/17	II BZC	163174057	V. Sandhya	Useful.

