

HYDROPONICS: Hydroponics unit 1 - NFT model (Nutrient Film technology)



HYDROPONICS UNIT – 01 NFT MODEL





DUTCH BUCKET MODEL:





HYDROPONICS: Deep Water Culture – Wheat Grass Plant

DETAILS OF SASLE OF HYDROPONIC PRODUCE

Hydroponics - Amaranthus

07/01/2020

1) S.M. VALI
Lect. in Botany.

P.T.H. - 40/-

2) J. Mythri
Lect. in Chemistry

M.C.T.S. - 40/-

3) A.P. Raj Gopal Sahu.
Lect. in English~~Raj Gopal~~ - 40/-4) Dr. M. Ravikumar.
Principal.

M - 50/-

5) K. Malakondaiah.
Lect. in Political Science

K. Malakondaiah - 40/-

6) Dr. Ch. Shankar.
Lect. in Economics

SA - 40/-

7) Rambabu sr Arat

R - 40/-
Total - 210/-

09/1/2020

1) K. Sowjanya

40/-

2) Sk. Anjum

40/-

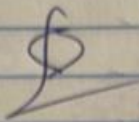
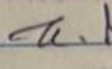
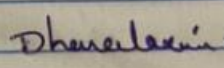
3) J. Neelima

40/-

4) P. Maneesha

40/-
Total 160/-

01/02/2020.

1. S.M. VALI.  — 40/-
2. P. Raj Govil Subu. — 20/-
3. Dr. M. Ravi Kumar.  — 40/-
4. K. Mahakendish.  — 40/-
5. Rambebu.  — 40/-
6. Sunita.  — 40/-
7. Dhana Laxmi.  — 40/-
8. Anjum. — 40/-

Total - 300/-

16/02/2020

- 1) D. Meghana — 40/-
- 2) V. Chandana Kaveri — 40/-
- 3) S. Maneesha — 40/-
- 4) P. Jameema — 40/-

Total 160/-

02/03/2020

1	J. Neelima	10/-
2	K. Sanjanya	20/-
3	P. Maneesha	20/-
4	SK Anjum	20/-
5	P. Jameema	20/-
6	D. Meghana	10/-
7	V. Chandana Kaveri	10/-
8	S. Maneesha	10/-
9	G. Sandhya Rani	10/-
10	R. Prasana	10/-
Total		130/-

16.03.2020

1	N. Vengal Rao	10/-
2	A. Naveen	10/-
3	M. Mahendra	10/-
4	Ch. Praveen	10/-
5	K. Kavitha	10/-
6	H. Maneesha	10/-
7	G. Bhagya Lakshmi	10/-
8	A. Sandhya Rani	10/-
Total		80/-

09 | 01 | 2021

1	S.N. Vali	20/-
2	J. Mythri	20/-
3	P. Raj Gopal Babu	20/-
4	K. Malakondaiah	20/-
5	Dr. Ch. Shankar	20/-
6	Rambabu Sr. Ant	20/-
Total		<u>120/-</u>

10 | 02 | 2021

Methi.

1	SK. Anjum	10/-
2	K. Sowjanya	10/-
3	J. Neelima	10/-
4	P. Jameena	10/-
5	M. Maneesha	10/-
6	K. Kavitha	10/-
7	D. Meghana	10/-
8	V. Chandra Kaveri	10/-
9	N. Vengal Rao	10/-
10	M. Mahendra	10/-
11	Ch. Praveen	10/-
Total		<u>110/-</u>

AZOLLA POND



Newly constructed Azolla pond in the Botanical Garden -2

Y. Sudhakar Babu Lect. In Telugu, K. Srinivas Lect. In Zoology engaged in tying Binding wire to the frame work.



Students engaged in enveloping the shade net to the frame work



Azolla inoculated in to the pond



Fully spread *Azolla* Plant



Students of Final BZC (2020-2021) who are involved in the Azolla culture.

AQUATIC POND





KITCHEN GARDEN



Luxurious growth of amaranthus plants in the ring.

Students working in the kitchen garden



Students handing over their first produce of Methi Plant to the Principal
Our Organic farming team at Venkatadripalem Village Organic farm

ORGANIC FARMING



Land Preparation



Sowing the seeds of vegetables



Water Management



Weed Management



Organic fertilizer preparation by the final BZC students



Organic pesticide application



Harvesting the crop



Ladys finger

Tomato



Capsicum Bitter Guard



Amaranthus Cluster Bean



Ribbed Guard Water melon

SOLID WASTE MANAGEMENT



Scavenger engaged in collecting the organic waste in to the container.



Scavenger engaged in dumping the organic waste in the pit



SOLID WASTE MANAGEMENT UNIT OF OUR COLLEGE

Disposal of unwanted solid waste from the college premises by Municipal authorities



Dumping the organic waste in the vermicompost pits

VERMICOMPOST PREPARATION



Students and staff involved in vermicompost preparation



Students at work in the vermicompost unit



Students collecting the fully prepared Vermicompost from the pits



Principal, Dr. M. Ravi Kumar, staff and students harvesting the vermicompost



Students and staff involved in nourishing the plants with vermicompost prepared in the college vermicompost unit.



A



Staff purchasing the vermicompost from the zoology department

T.R.R.GOV'T.DEGREE COLLEGE, KANDUKUR

DEPARTMENT OF ZOOLOGY

2020 - 2021

S.NO	CONSUMER	QUANTITY	PRIZE PER UNIT	TOTAL
1.	M. Ravi Kumar Principal, GDC, Kandukur - 9440221228	20kg	10Rs	200/-
2.	Dr. Yedukondalu. Narandra. Cet. in Economics, GDC, Kandukur. 9948882403	20kg	10 Rs	200/-
3.	Dr. J. KESAVARAO Prof in English BDC Kandukur 9440653669	20kg	10	100/-
4.	Dr. N.V. Srinani Prof. in Physics 9491533555	10kg	10	100/-
5.	K. Sreenivasulu Lec. in Mathematics, 8977678123	10kg	10	100/-
6.	Dr. Ch. Srinivasulu Lecturer in Commerce. 8639607755	20kg	10Rs.	200/-
7.	D. Ramasrinivasulu, Lecturer in History mobile: 7396768073	10kg	10	100/-
8.	G. Mahalingam, Librarian 9989543109	10kg	10	100/-

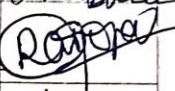
9.	Shri. Shiva Sagar, Lec. in Telugu Mobile: 9441442274	10kg	10	100
10.	J. Hanumanth Rao 9708335704	10kg	10	100/-
11.	M. Raghav Kedamathu Kuma 9441935333	5kg	10	50/-
12.	T. Adish Babu 9885398524	10kg	10	100/-
13.	Kv. Padma Lathi, Lect. in Chemistry 9441365962	10kg	10	100/-
14.	Dr. N. Tirumathi Swamy Lec in Biology 9866471505	10kg	10	100/-
15.	Dr. K. Sufatha Lec in Telugu 6301787798	10kg	10	100/-
16.	D. Venkatesh 7781813933	5kg	10	50/-
17.	D. Indira 9346174217 9849123603	10kg	10	100/-
18.	Dr. Srinivasulu. 2055328009	20kg	10	200/-
19.	E. Srinivasulu. 6303862613	10kg	10	100/-

20.	A. R. Chinnappa (Guest Lecturer in Statistics) 638000/510, GIDC, Gandhinagar	10 kg	10	100
21.	S. K. Jadhav 9848454567	10 kg	10	100
22.	T. P. S. S. 7799430134	10 kg	10	100
23.	G. VAJRESWARARAO 9701805612	10 kg	10	100
24.	V. V. KRISHNASARMA 9949614960	10 kg	10	100/-
25.	Dr. K. J. Philip 9492681453	10 kg	10	100/-
26.	I. Swalamohana Rao 9703185504	10 kg	10	100/-
27.	U. Adizeshu (9247803128)	10 kg	10	100/-
28.	D. Jeevan (7702471364)	10 kg	10	100/-
29.	S. Hanappa (9032442627)	10 kg	10	100/-
30.	M. Ramana (7569515226)	10 kg	10	100/-

T.R.R GOVT DEGREE COLLEGE ,KANDUKUR

DEPARTMENT OF ZOOLOGY

2021-2022

S.NO	Consumer name	Quantity	Price per Kg	Total amount Rs	Signature
1.	Department of Botany (for Garden Plants)	190kg	10Rs	1900/-	
2.	S. Venkateswarlu	95kg	10Rs	950/-	Sreedhar
3.	A. Mahabali	25kg	10Rs	250/-	A. Mahabali
4.	A. Rajagopal	20kg	10Rs	200/-	
5.	Dr. K.V. PADMAVATHI	25kg	Rs 10	250/-	Dr.
6.	M. Raghukedaram	10kg	10Rs	100/-	makhar
7.	J. Hanumanth Rao	20kg	10 Rs	200/-	
8.	K. Mahakandiah	25kg	10Rs	250/-	K. Mahakandiah
9.	D. Ramanjineyulu	15kg	10Rs	150/-	D. Ramanjineyulu
10.	T. Harish Babu.	5kg	10Rs	50/-	T. Harish Babu
11.	G. Brahman	5kg	10Rs	50/-	G. Brahman
12.	K. Sreenivasulu	10kg	10Rs	100/-	K. Sreenivasulu
13.	A. Acharya	5kg	10Rs	50/-	A. Acharya

14.	N. V. Srinivas	20kg	10kg	200/-	<u>N</u>
15.	Dr. Ch. Srinivas Rao	10kg	10kg	100/-	<u>Dr. Ch. Srinivas Rao</u>
16.	D. Jewan	5kg	10kg	50/-	<u>D. Jewan</u>
17.	D. Yedukondalu. Narayana	20kg	10kg	200/-	<u>Yedukondalu</u>
18.	Dr. Ch. Srinivas Rao	15kg	10kg	150/-	<u>Dr. Ch. Srinivas Rao</u>
19.	J. Vytas	25kg	10kg	250/-	<u>J. Vytas</u>
20.	SK. Balha	10kg	10kg	100/-	<u>SK. Balha</u>
21.	Taherda	5kg	10kg	50/-	<u>Taherda</u>
22.	B. Madhavi	10kg	10kg	100/-	<u>B. Madhavi</u>
23.	M. Ramana.	5kg	10kg	50/-	<u>M. Ramana.</u>
24.	T. G. S. S. S.	12kg	10kg	120/-	<u>T. G. S. S. S.</u>
25.	S. Hananth	10kg	10kg	100/-	<u>S. Hananth</u>
26.	Ch. V. V. Babu	5kg	10kg	50/-	<u>Ch. V. V. Babu</u>
27.	E. Sai Hemant	10kg	10kg	100/-	<u>E. Sai Hemant</u>
28.	B. Sireesha	5kg	10kg	50/-	<u>B. Sireesha</u>

WATER CONSERVATION

RAIN WATER HARVESTING PITS



There are four Rain Water harvesting pits in our college to tap the Rain water during the monsoon season. All the Rainwater harvesting pits are built scientifically built to tap the maximum amount of water in the soil. This will definitely raise our water table and keep our soil healthy.

Azolla pond



In our college we have *Azolla* pond in which we cultivate *Azolla*. *Azolla* is a pteridophyte plant which is used as a Bio fertilizer. The water used in culturing *Azolla* is rich in nitrogen content and it is used for watering plants in our garden. Dried *Azolla* is used as biofertilizer.





Labelled and QR coded Seed Museum