

SRR & CVR 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



HERBAL GARDEN AS BEST PRACTICE

DEPARTMENT OF BOTANY

Best Practice - II

Title of the practice : Herbal Garden

The Context that required the initiation of the practice:

Herbal medicine is eco-friendly, bio-friendly, cost-effective and relatively safe and moved to the mainstream with increased research in the field of traditional medicine. Medicinal plants are an integral component of alternative medical care.

For small health issues which people face daily like common cold, cough, fever, sore throat, headache, indigestion problems people consume herbal medicine. For maintaining good health herbal products are being used. For skin care and beauty care also plant products have been used since ages.

For nearly 3 years COVID-19 has been a rapidly changing and evolving situation. An integrated therapy of modern medicine and ayurveda has benefited Covid-19 patients with faster recovery in mild-moderate Covid-19 according to a study by the Directorate of AYUSH.

Medicinal plants will be useful for Maternal and Child health care, as essential drugs, in food and nutrition, for common illnesses and injury, for endemic infectious diseases, mental health and oral health.

So based on all the situations the world is currently facing, growing medicinal plants, preparing herbal medicine, knowing their medicinal properties, and curative properties is compulsory. The Department of Botany decided to grow and conserve medicinal plants and bring awareness to the student community, Faculty and also Public as a best practice from 20021- 2022.

Objectives of the Practice:

- Creating awareness on Medicinal uses of plants in students and faculty
- Making Public aware about the significance of medicinal plants
- Conservation of Endangered Medicinal Plants
- Increasing the use of medicinal plant products as over usage of drugs causes many side effects and herbal medicine is safer and won't cause any side effects.
- Increasing the herbal medicine usage for Maternal and Child health care, as essential drugs, in food and nutrition, for common illnesses and injury, for endemic infectious diseases, mental health and oral health.
- Preparation of Ayurvedic medicine in small quantities and supplying
- Establishment of a small scale manufacturing unit in the long run with students and making them Entrepreneurs

The practice :

The practice was planned and initiated from the 2021-2022 academic year . Students collected several easily available Medicinal plants and seeds and planted them in some area of our Department Botanical garden .

In the Botanical garden some area was exclusively reserved for Medicinal plants . The plot was prepared , plowed and some medicinal plants seeds were sown and plantlets were planted . Work was divided among students for watering and maintenance of the herbal garden .

Obstacles : Conservation and Maintenance of the saplings and seeds is a main challenge along with some financial constraints.

Impact of the Practice : Impact yet to see as the herbal garden is in its initial stages and we expect the herbal garden products will be consumed well by faculty and students in the college and hopefully public . We hope Students,faculty and Public will start to consume herbal medicine for simple ailments and improve their general health and resistance in a safer way and know the significance and need of conserving these plants in their houses .

Evidence of the Practice: Link below is the evidence of the practice.



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PLANTATION ACTIVITY - 8.4.2022



DEPARTMENT OF BOTANY

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	8.4.2022
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Extension activity
Title of the Activity	Herbal Garden Plantation
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	B.SC BHC Students
No of students participated	30
Name of the Lecturers who planned & conducted the activity	Planned and Organized by G.Swapn Lecturer In Charge Mrs V.N Padmavathi Lecturer in Botany Dr Ch. Srinivasa Reddy Lecturer in Botany Participated in this activity
Remarks	Students participated in this Plantation activity with immense interest .

Department of Botany SRR & CVR Govt Degree College Organized Herbal Garden Plantation activity on 8.4.2022



Institute Botanical garden is t for the maintenance of a living collection of plants under scientific management for purposes of education and basic research .

Botanical gardens devote their resources to the study and conservation of plants, as well as making the local plant species diversity known to the public.

- **Garden has aesthetic value and attracts a large number of visitors.**
- **The Garden has a few plant species belonging to different families and supplies taxonomic material for UG Level Botanical research.**
- **Garden is used for self-instruction or demonstration purposes.**
- **It can integrate information from diverse fields like Anatomy, Embryology, Phytochemistry, Cytology, Physiology and Ecology.**
- **Act as a conservation center for diversity, rare and endangered species.**
- **It offers an annual list of available species and a free exchange of seeds.**
- **Botanical gardens give information about methods of propagation, sale of plant material to the general public.**

Nearly 30 students of I and II B.Sc BHC and BZC participated in this program under the Guidance of Mrs V. N. Padmavathi , Lecturer in Botany .

Ms G.Swapna , Incharge Dept of Botany and Dr Ch. Srinivasa Reddy Lecturer in Botany participated in this activity .

Students collected several easily available Medicinal plants and seeds and planted them in some area of our Department Botanical garden .

In the Botanical garden students removed unnecessary weeds and cleaned the area . The plot was prepared , plowed and some herbal plants seeds were sown and plantation activity done . Work was divided among students for watering and maintenance of the Botanical garden .

Maintenance of the Botanical Garden is one of the regular activity of Department of Botany. some area allotted to herbal plants and initiated the process . Department of Botany students started working on this . Herbs were planted in a formal Botanical garden interspersed with flowers, trees and shrubs or in theme gardens. This maintenance of Botanical gardens was being done by students with much dedication.

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Ms G.Swapna , Incharge Dept of Botany and Dr Ch. Srinivasa Reddy Lecturer in Botany participated in this activity .

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SRR & CVR Government Degree College

An Autonomous & ISO 9001:2015 Certified Institution : Ranked by NIRF for 2019-2020 band A in NIRF 2019 NAAC accredited Institution with grade B1 with C/A P/A 2.6 during March, 2019
Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY


PRINCIPAL
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomous)
Machavaram, VIJAYAWADA-520 004

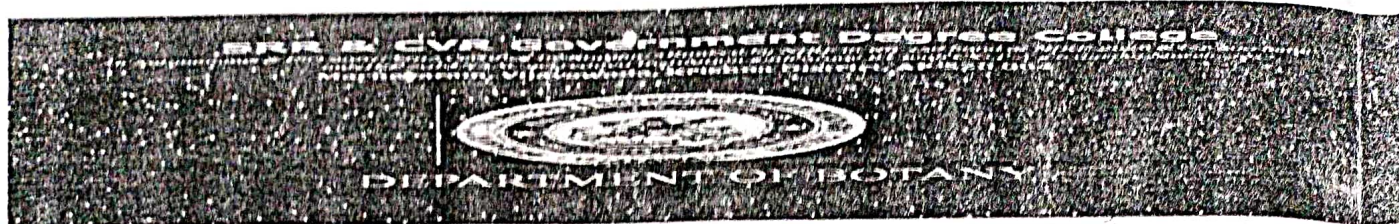

LECTURER IN CHARGE
Dept. of Botany
SRR & CVR GOVT. DEGREE COLLEGE
VIJAYAWADA-4, Krishna Dist.



STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
1.	8/4/22	IBHC	21317202	K. Mouil	Good
2.	8/4/22	IBHC	21317201	A. Prasanthi	Benificial
3.	8/4/22	IBHC	21317209	T. Lavanya	useful.
4.	8-4-22	IBHC	21317205	K. Jagadeesh	excellent
5.	8/4/22	IBHC	21317206	T. Maudula	Good.
6	8-4-22	IBHC	21317212	P. Lette	Good
7.	8-4-22	IBHC	21317204	Devi Naga ch	not awareness
8.	8/4/22	III B2C	20311215	H. Moanika	Good.
9	8/4/22	III B2C	20311223	Shaik. Baji Baba vali	Useful
10	8-4-22	III B2C	20311003	G. Pupa	Good
11	8-4-22	III B2C	20311216	P. Bharathi	Excellent.
12.	8-4-22	III B2C	20211227	YD	Good
13	8/4/22	III B2C	20311213	M. Gayathri	Good.
14	8/4/22	IBHC	20317203	S. Praveen	Satisfactory
15	8/4	IBHC	20317212	K. Kiran	Beneficial
16	8/4	IBHC	20317211	K. Seelakshmi	Good





STUDENT SIGNATURES AND FEEDBACK					
S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
17	8-4-22	2-BHC	21311201	T. S. Ravanthi	Satisfactory
18	8/4	IBZC	21311201	S. Vinay Kumar	Good
19	8/4/22	IBZC	21311202	R. Joseph	Useful
20	8/4/22	IBZC	21311203	J. Vamsi krish	Useful
21	8/4/22	IBZC	21311204	Divya kumari	Good
22	8/4/22	IBZC	21311205	Sri Valli	Satisfactory
23	8/4/22	IBZC	21311206	R. Pavithra Viswan	Good
24	8/4/22	IBZC	21311207	T. Mohan	Beneficial
25	8/4/22	IBZC	21311208	S. Pavani	Good
26	8/4	IBZC	21311209	K. Sume Gowda	Useful
27	8/4/22	IBZC	21311210	K. Ishwarya	Useful
28	8/4/22	IBZC	21311211	V. Devi	Good.
29	8-4	IBZC	21311212	G. Bharath	Beneficial
30	8/4/22	IBZC	21311213	P. Maunika	Satisfactory
31	8/4/22	IBZC	21311214	M. Ganesh	Good
32	8/4/22	IBZC	21311215	N. Kavya	Excellent



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Machavaram, Vijayawada, Krishna District, AP-520 004

PLANTATION ACTIVITY-25.2.2022



DEPARTMENT OF BOTANY

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	25.02.2022
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Extension activity
Title of the Activity	Herbal Garden Plantation
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	B.SC BHC Students
No of students participated	20
Name of the Lecturers who planned & conducted the activity	Planned and Organized by G.Swapn Lecturer In Charge Mrs V.N Padmavathi Lecturer in Botany Dr Ch. Srinivasa Reddy Lecturer in Botany Participated in this activity
Remarks	Students participated in this Plantation activity with immense interest .

Department of Botany SRR & CVR Govt Degree College Organized Herbal Garden Plantation activity on 25.2.2022 .



Institute Botanical garden is t for the maintenance of a living collection of plants under scientific management for purposes of education and basic research .

Botanical gardens devote their resources to the study and conservation of plants, as well as making the local plant species diversity known to the public.

- **Garden has aesthetic value and attracts a large number of visitors.**
- **The Garden has a few plant species belonging to different families and supplies taxonomic material for UG Level Botanical research.**

- Garden is used for self-instruction or demonstration purposes.
- It can integrate information from diverse fields like Anatomy, Embryology, Phytochemistry, Cytology, Physiology and Ecology.
- Act as a conservation center for diversity, rare and endangered species.
- It offers an annual list of available species and a free exchange of seeds.
- Botanical gardens give information about methods of propagation, sale of plant material to the general public.

Nearly 20 students of I B.Sc BHC and BZC participated in this program under the Guidance of Mrs V. N. Padmavathi , Lecturer in Botany .

Ms G.Swapna , Incharge Dept of Botany and Dr Ch. Srinivasa Reddy Lecturer in Botany participated in this activity .

Students collected several easily available Medicinal plants and seeds and planted them in some area of our Department Botanical garden .

In the Botanical garden students removed unnecessary weeds and cleaned the area . The plot was prepared , plowed and some herbal plants seeds were sown and plantation activity done . Work was divided among students for watering and maintenance of the Botanical garden .

Maintenance of the Botanical Garden is one of the regular activity of Department of Botany. some area allotted to herbal plants and initiated the process . Department of Botany students started working on this . Herbs were planted in a formal Botanical garden interspersed with flowers, trees and shrubs or in theme gardens. This maintenance of Botanical gardens was being done by students with much dedication.

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

**Department of Botany SRR & CVR Govt Degree College Organized Herbal Garden
Plantation activity on 25.2.2022 .**




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(Autonomous)
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LECTURER IN CHARGE
Dept. of Botany
SRR & CVR GOVT. DEGREE COLLEGE
VIJAYAWADA-4, Krishna Dist.



STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
1.	25/2/22	IBHC	21317207	K. M. M. M.	Useful
2.	25-2	IBHC	21317201	A. Prasad	Good
3.	25/2	IBHC	21317209	T. Lavanya	Got awareness
4.	25-2	IBHC	21317205	K. Jagadeesh	Good
5.	25/2/22	IBHC	21317206	T. Madhula	Useful
6	25/2	IBHC	21317212	P. L. L.	Good
7.	25/2/22	IBHC	21317204	Dev. Nagach	Good
8.	25/2	III B2C	20311215	N. Manika	Useful
9.	25/2/22	III B2C	20311223	Shakti. Raju	Good
10	25-2	III B2C	20311003	G. Rupa	Good
11	25-2	III B2C	20311216	P. Bharat Sai	Useful
12	25/2	III B2C	20311227	by	Good
13	25-2	III B2C	20311213	M. Gayathri	Good
14	25/2	IBHC	20311214	D. Himabindu	Useful
15	25-2	IBHC	20311215	S. Jayashree	Useful
16.	25/2	IBHC	20311216	K. Durgamma	Useful



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Machavaram, Vijayawada, Krishna District, AP-520 004

PLANTATION OF MEDICINAL PLANTS - 28.12.2020



DEPARTMENT OF BOTANY

SRR & CVR Government Degree College

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	28.12.2020
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Extension activity
Title of the Activity	Medicinal plants Plantation activity
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	B.SC BZC Students
No of students participated	40
Name of the Lecturers who planned & conducted the activity	Planned and Organized by Ms D. Jyothi Lecturer In Charge Mrs Kanthasri , Lecturer in Botany
Remarks	Students participated in this Plantation activity with immense interest .

**Department of Botany SRR & CVR Govt Degree College Organized Herbal Garden
Plantation activity on 28.12.2020**



Nearly 40 students of I B.Sc BHC and BZC participated in this program under the Guidance of Mrs D. Jyothi Incharge & Lecturer in Botany .

Students collected several easily available Medicinal plants and seeds and planted them in some area of our Department Botanical garden .

In the Botanical garden students removed unnecessary weeds and cleaned the area . The plot was prepared , plowed and some herbal plants seeds were sown and plantation activity done . Work was divided among students for watering and maintenance of the common medicinal plants in Garden .

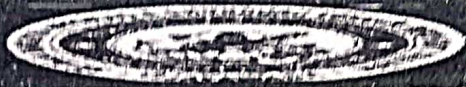
SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution; Ranked by NIRF in 1st-100 band of NIRF 2020 & 1st-200 band in NIRF 2019; NAAC Accredited Institution with grade 'B+' with 5.01 A++ during March, 2012

Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY



STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
1.	28/12/22	II B2C	18311001	G. Sandhya	Good
2.	28/12/22	II B2C	18311003	R. Sowathi	Useful
3.	28/12/22	II B2C	18311004	R. G. Purnima	Beneficial
4.	28/12/22	II B2C	18311006	R. Vithal Rao	useful
5.	28/12/22	II B2C	18311007	T. Adhithyashini	Good
6.	28/12/22	II B2C	18311008	N. Anand	useful.
7.	28/12/22	II B2C	18311009	R. Mukhikrishna	Good
8.	28/12/22	II B2C	18311110	G. Kalyani	Got awareness
9.	28/12/22	II B2C	18311111	P. Govardhan	Very good.
10.	28/12/22	II B2C	18311112	D. Anil	useful
11.	28/12/22	II B2C	18311113	B. Chaitra	useful
12.	28/12/22	II B2C	18311114	M. Nagamani	good.
13.	28/12/22	II B2C	18311115	K. Srikanth	Beneficial
14.	28/12/22	II B2C	18311116	T. Varaja	Very good.
15.	28/12/22	II B2C	18311117	S. Nagamini	Got awareness
16.	28/12/22	II B2C	19311201	E. Narayana	good.

