



AISHE Code: C-27584

ISO Certified 9001:2015

GOVERNMENT DEGREE COLLEGE, THORRUR

MAHABUBABAD DISTRICT, TELANGANA STATE – 506163

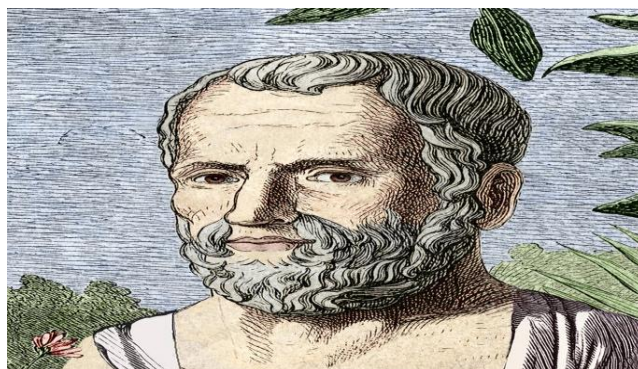
e-Mail: jc.gdc.thorrur@gmail.com, Mobile: 8008307999

Website: <https://gdcts.egg.gov.in/thorrur.edu>



DEPARTMENTAL PROFILE

BOTANY



THEOPHRASTUS FATHER OF BOTANY

INDEX

S. No	Content	Page No.
1	About the department	2
2	Vision & Mission	2
3	Department profile	3
4	Course/programmes offering	3
5	Course details (semester wise)	3
6	Strength particulars	3
7	Faculty details	4
8	Workload particulars	4
9	Time table	4
10	Infrastructure facilities	5
11	Departmental library	6
12	Academic activities / Teaching & learning methods	5
13	Result analysis	5
14	Student study projects	10
15	e-Content	10
16	Certificate courses	10
17	Extension activities	11
18	Research activities	11
19	Collaborations/MOU	11
20	Best practices/Innovative practices	11
21	Student progression	12
22	Student enrichment programmes	12
23	Activities of social responsibility	12
24	SWOC of the Department	12

1. ABOUT THE DEPARTMENT

- ❖ The Department of BOTANY (B. Sc-BZC) was established in the year 2008 along with the inception of the College. B. Sc (BZC) CBCS course was introduced in the year 2016-2017 academic year. B. Sc (Sericulture) programme was introduced with Sericulture. Botany, Zoology combination in the year 2021-2022
- ❖ The Academic schedule is prepared and followed as per the almanac of Kakatiya University, Warangal and Commissionerate of Collegiate Education, Hyderabad, Telangana state. The staff maintains Teaching diaries, attendance registers and annual plan which are scrutinized by the Principal of the College from time to time with necessary suggestions.

DEPARTMENTAL ACTIVITIES

CURRICULAR ASPECTS

We follow the syllabus framed by the Kakatiya University, Warangal. The common core syllabus has been introduced by council for Higher Education Hyderabad.

Improvement of syllabus is done by incorporating the additional inputs. Annual curricular plan is prepared in the beginning of the academic year in which teaching and other activities are related. In addition to the syllabus to create interest in subject additional inputs are given to the students.

Faculty members of the Botany Department engaged in Environmental science classes I & II Semester students

BOTANY COURSE OUT COMES:

1. Through this programme students will be able to pursue higher education and focus on the scientific research and apply this knowledge in both real life and laboratory.
2. emphasizes the diversity in plants and animals create awareness on the environment and the society.
3. Students can understand the significance of Botany, Zoology & Chemistry in day to day life
4. Students get acquainted with the skill in proper handling of instruments and can function effectively in life science based industries

2. VISION & MISSION:

VISION:

To impart the knowledge of science as the basic objective of education.

To know the importance & scope of Botany

To develop scientific attitude and make the students curious

MISSION:

- To develop the ability for the application of acquired knowledge in the field of life so as to make our country self reliant and self sufficient
- To expose themselves to the diversity amongst life forms
- To make aware of natural resources and environment and importance of conserving the resources

3. DEPARTMENTAL PROFILE

1. Name of the Department : Department of Botany
2. Year of Establishment : 2008
3. Name of the Programmes / Courses offered :

Programme	Group	Medium	Combination offered
B. Sc	BZC	Telugu/English	Botany, Zoology, Chemistry
B. Sc	SERICULTURE	English	Botany, Zoology, Sericulture

4. Names of Interdisciplinary courses : BZC, SERICULTURE

5. Annual/ Semester/Choice based credit system :

B. Sc (BZC)	System
I Year	1&2 Semester & CBCS
II Year	3&4 Semester & CBCS
III Year	5&6 Semester & CBCS

6. Student Profile

Academic Year	Class/Year (BZC)	No. of Students Enrolled BZC
2017-2018	B Sc. I Year	12
	II Year	06
	III Year	06
2018-2019	B Sc. I Year	10
	II Year	12
	III Year	06
2019-2020	B Sc. I Year	23
	II Year	05
	III Year	05
2020-2021	B Sc (L.s).I Year	78
	II Year	11
	III Year	03
2021-2022	B Sc.(L.S)I Year	73
	II Year	56
	III Year	10

7. Student Teacher ratio (Programme wise) - 50:1

a. No. Of teaching posts:

Designation	Sanctioned	Filled	Non Sanctioned
Associate Professors	0	0	0
Asst. Professors	01	01	0
Contract faculty	0	0	0

b. Faculty Since Inception

S. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	Period
1	D.RAJU	M. Sc	Lecturer(c)		3 ½ Years	1-9-2008 to 31-3-2012
2	J.SRILATHA	M. Sc	Lecturer(c)		4 months	12-10-2012 To 11-2-2013
3	G. SURENDRA REDDY	M. Sc ,SET	Assistant Professor(R)			
4	D. SUNEETA	M. Sc ,NET	Assistant Professor(R)	Cytogenetic and plant breeding	4 1/2 Years	1-7-2018 to Till date

8. WORK LOAD PARTICULARS

S. No	Class	Year	Medium	Hours/week Theory+ Practical	TOTAL
1	B. Sc (BZC)	I Year	English	4+3	7
2	B. Sc (Sericulture)	I Year	English	4+3	7
3	B. Sc (BZC)	II Year	English	4+3	7
4	B. Sc (Sericulture)	II Year	English	4+3	7
5	B. Sc (BZC)	III Year	English	4+3	7

Number of academic support staff (Technical) and administrative staff;
Sanctioned and filled- 01(Herbarium Keeper)

9. TIME TABLE:

DAY	CLASS	I 10.00 to 11.00	II 11.00 to 12.00	III 12.00 to 1.00	L U N C H	IV 1.30 to 2.30	V 2.30 to 3.30	VI 3.30 to 4.30
Monday	1 year	---	Botany	----				
	2 year	Botany	---					
	3 year	----	--	Botany				
Tues day	1 year		Botany					
	2 year	Botany		----				
	3 year	--	---	Botany				
Wednesday	1 year		Botany					
	2 year	Botany		----		Botany practicals SBS1&SS1		
	3 year	--	---	Botany				
Thursday	1 year		Botany					
	2 year	Botany		----		Botany practicals		
	3 year	--	---	Botany				
Friday	1 year					Practicals (FSSI)		
	2 year							
	3 year							
Saturday	1 year							
	2 year							
	3 year					Practicals (TBSI)		

10. INFRA STRUCTURAL FACILITIES:

1. Internet Facilities for staff and students : Yes maintained
2. Classrooms with ICT : YES
3. Laboratories : 1

11. DEPARTMENTAL LIBRARY:

Library : Maintained with about 60 Books

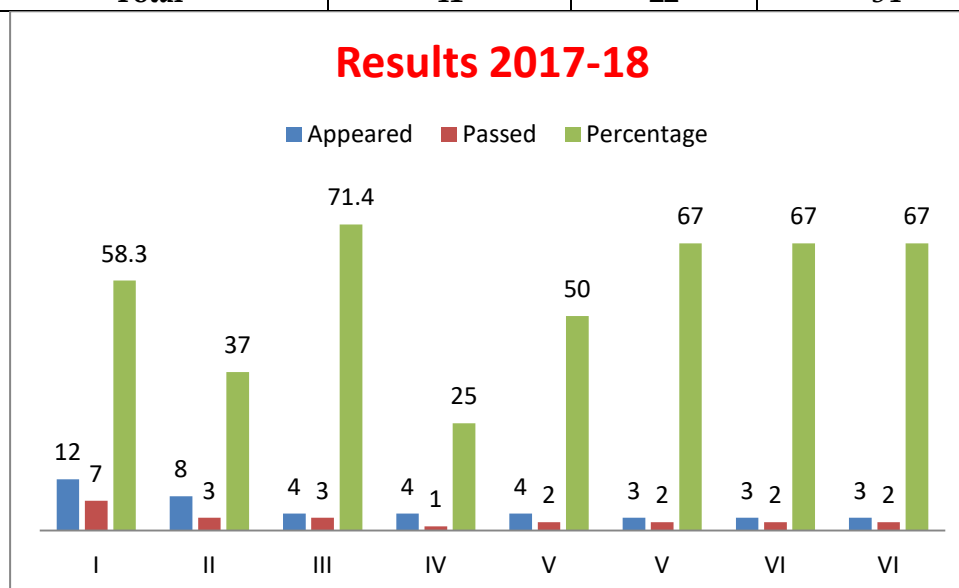
12. ACADEMIC ACTIVITIES/TEACHING AND LEARNING METHODS

1. Lecture method using blackboard and ppt
2. Extension lectures
3. Student seminars
4. Group discussion
5. Quiz competition
6. Field trips
7. Student study project
8. Assignments

13. Students Results Analysis:

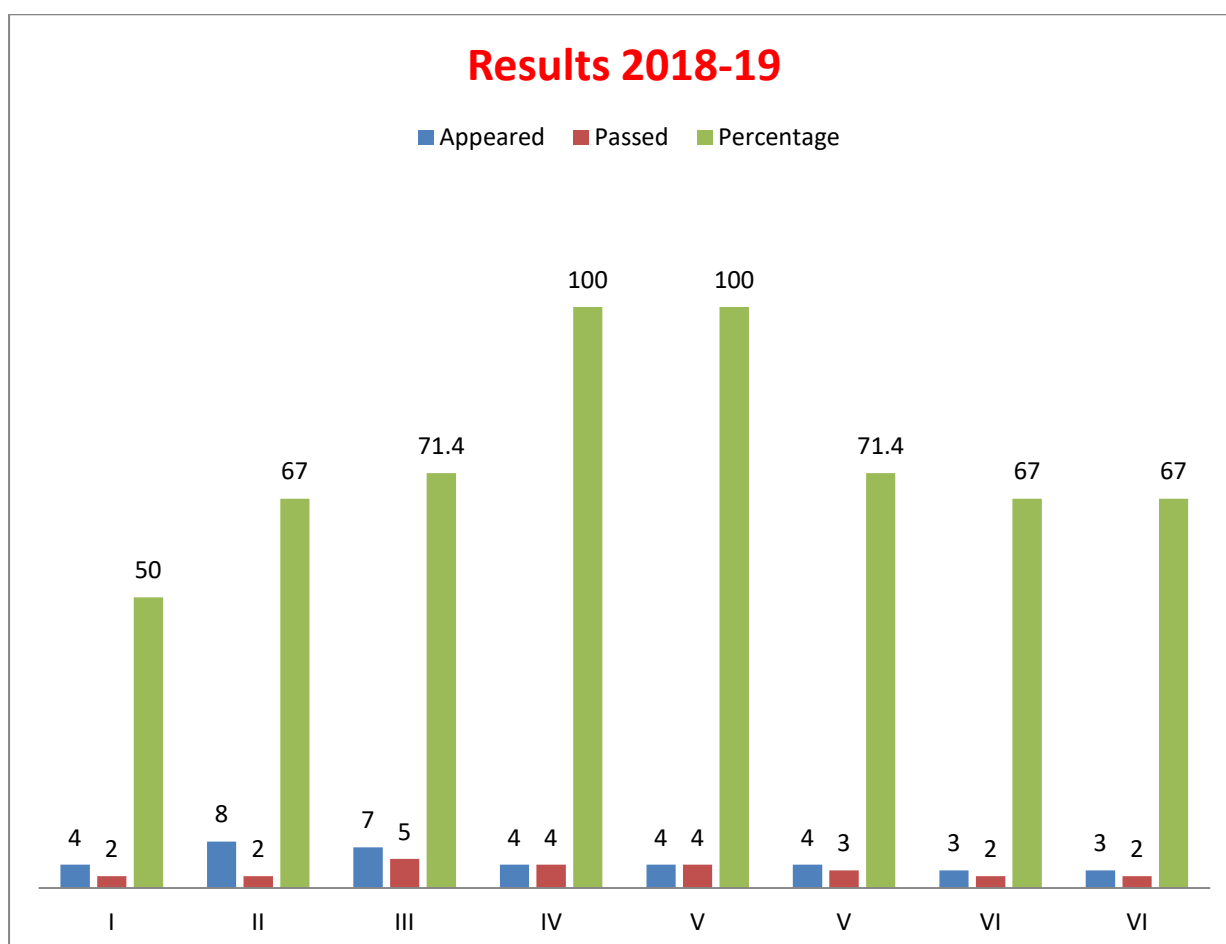
Student Result Analysis -2017 – 2018

S. No.	Semester	Appeared	Passed	Percentage
1	I	12	07	58.3
2	II	08	03	37
3	III	04	03	71.4
4	IV	04	01	25
5	V	04	02	50
6	V	03	02	67
7	VI	03	02	67
8	VI	03	02	67
Total		41	22	54



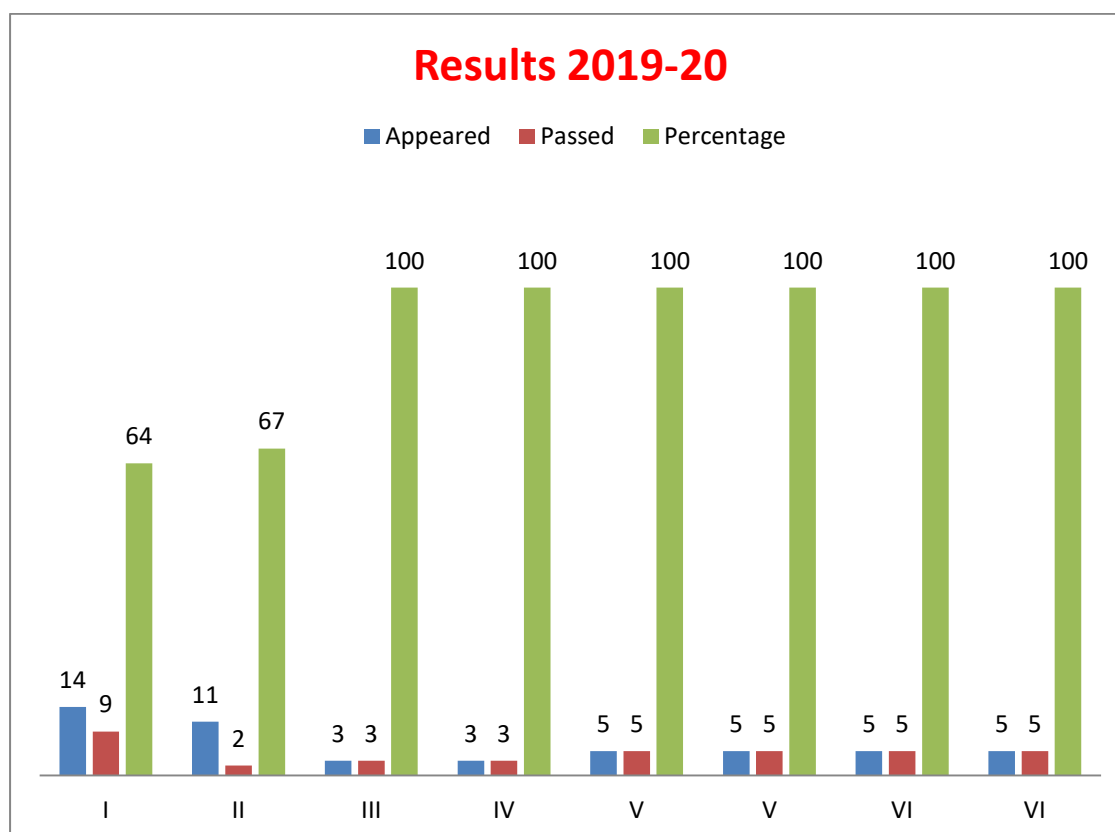
Student Result Analysis -2018 – 2019

S. no	Semester	Appeared	Passed	Percentage
1	I	04	02	50
2	II	08	02	67
3	III	07	05	71.4
4	IV	04	04	100
5	V	04	04	100
6	V	04	03	71.4
7	VI	03	02	67
8	VI	03	02	67
Total		37	24	65



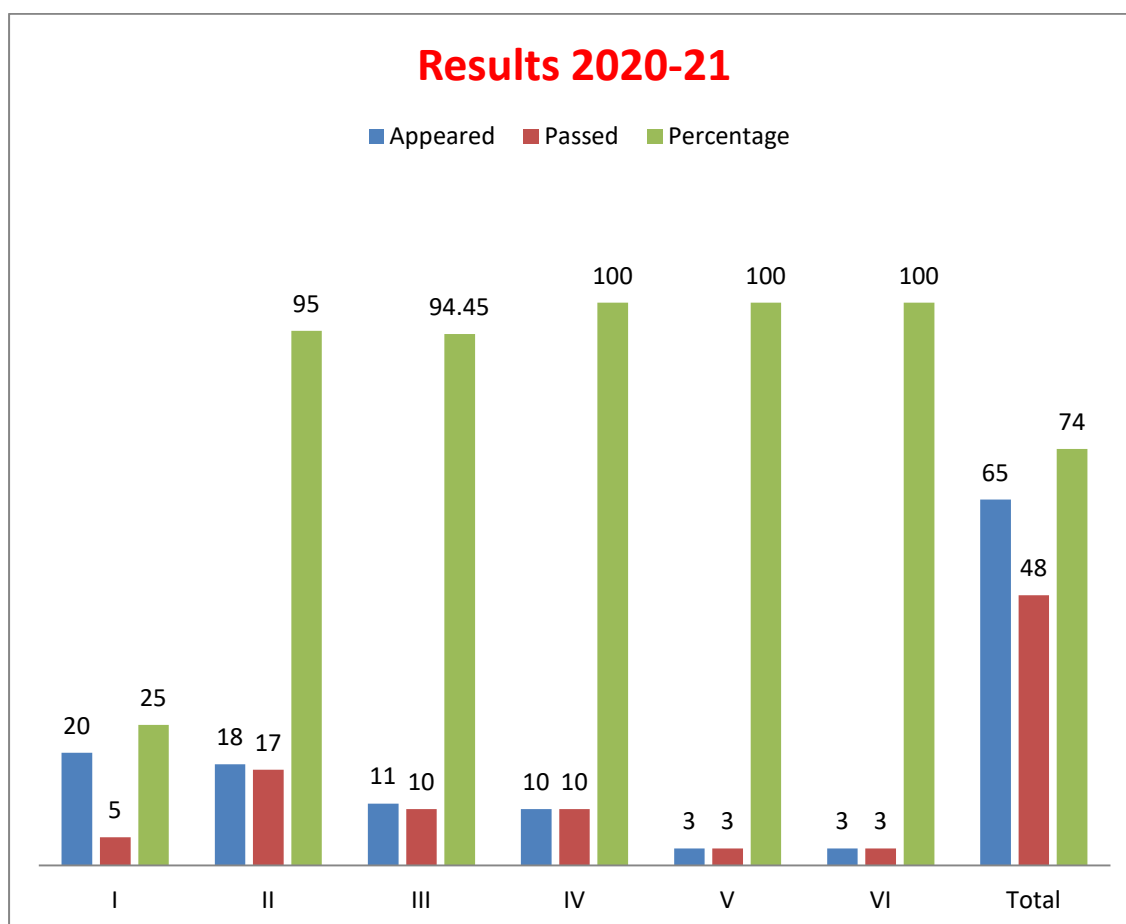
Student Result Analysis -2019 - 2020

S no	Semester	Appeared	Passed	Percentage
1	I	14	09	64
2	II	11	02	67
3	III	03	03	100
4	IV	03	03	100
5	V	05	05	100
6	V	05	05	100
7	VI	05	05	100
8	VI	05	05	100
Total		51	37	73



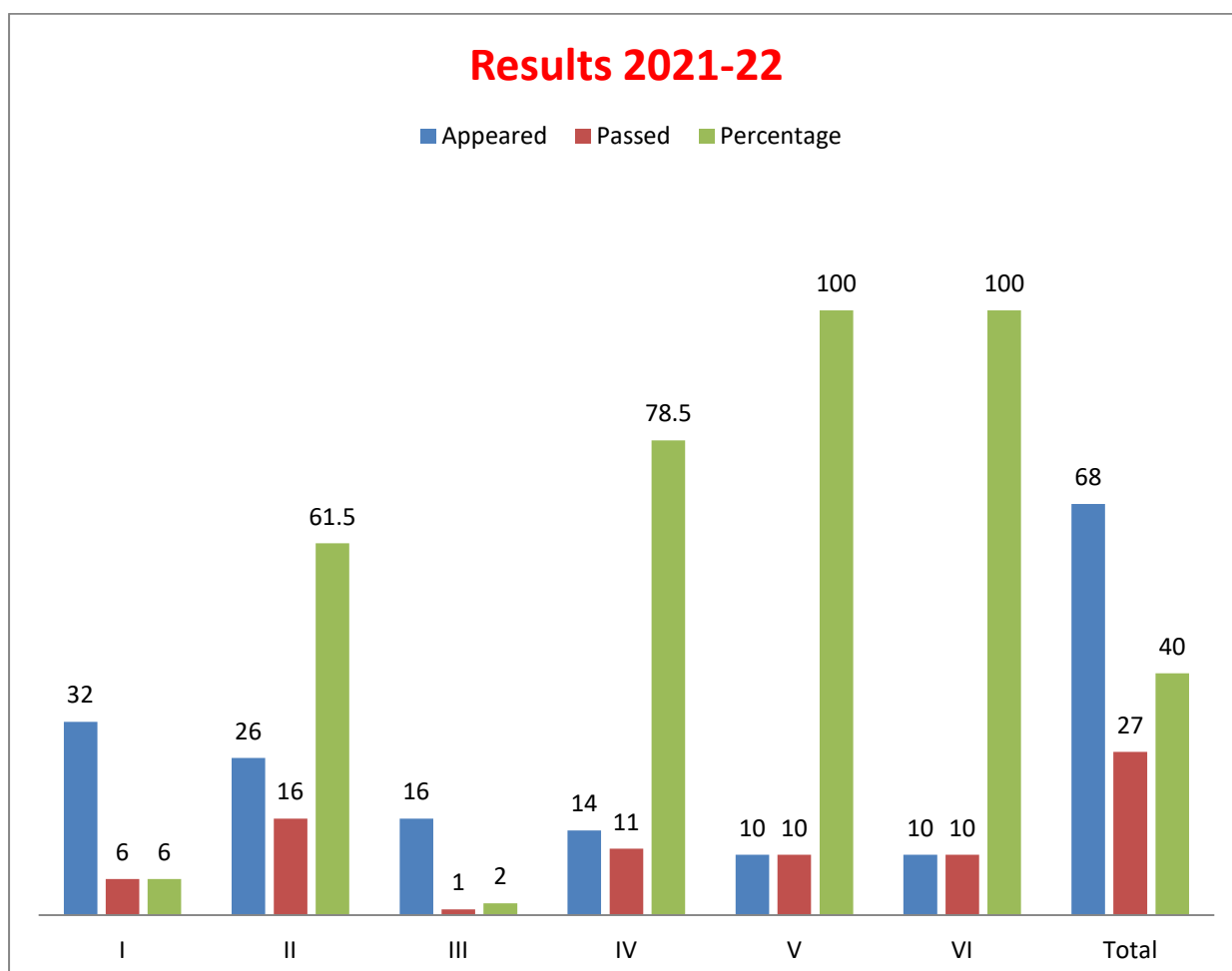
Student Result Analysis -2020-2021

S. no	Semester	Appeared	Passed	Percentage
1	I	20	5	25
2	II	18	17	95
3	III	11	10	94.45
4	IV	10	10	100
5	V	3	3	100
6	VI	3	3	100
	Total	65	48	74



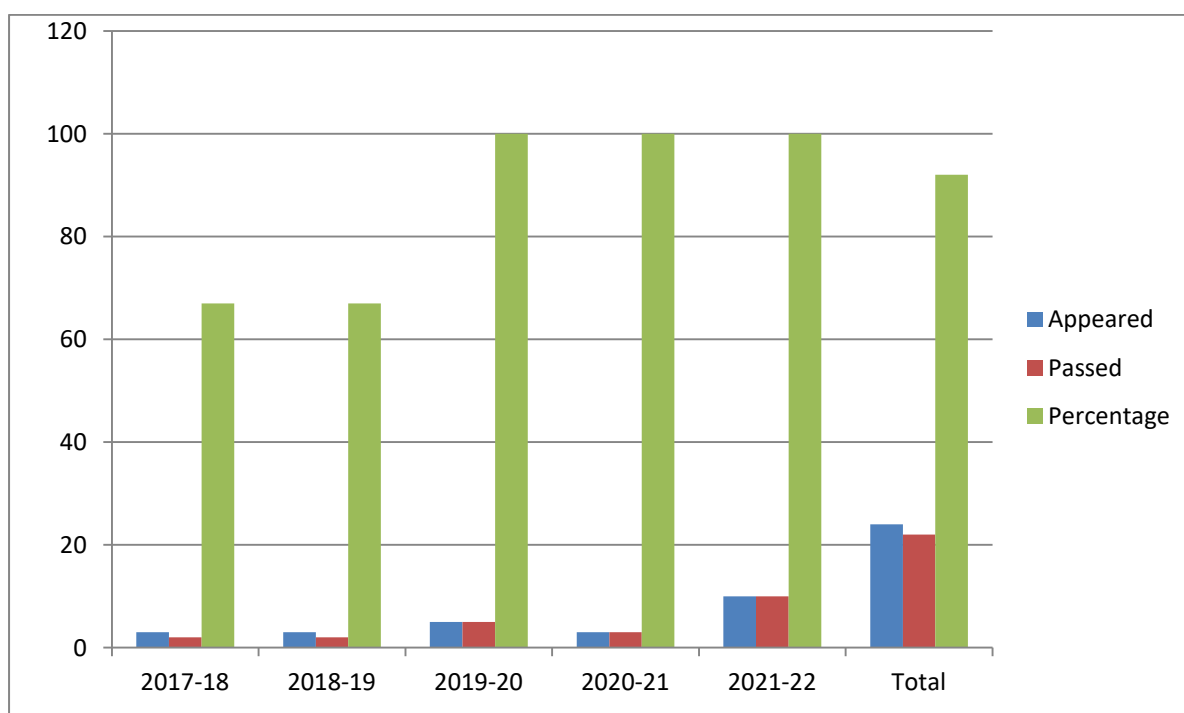
Student Result Analysis -2021-2022

S. no	Semester	Appeared	Passed	Percentage
1.	I	32	06	06
2.	II	26	16	61.5
3.	III	16	01	02
4.	IV	14	11	78.5
5.	V	10	10	100
6.	VI	10	10	100
	Total	68	27	40



Result Analysis (2017-2022) III Year Students

Year	2017-18	2018-19	2019-20	2020-21	2021-22	Total
Appeared	03	03	05	03	10	24
Passed	02	02	05	03	10	22
Percentage	67	67	100	100	100	92



14. STUDENT STUDY PROJECTS: 02

1. 2019 - 2020 - Mushroom Cultivation-Milky White Button Mushroom *Agaricus bisporus*.
2. 2020 - 2021 - Effect of salt stress on growth of Black Gram genotypes during Germination

15. e- CONTENT: Digital classes were conducted, video lecture were uploaded in the college you tube channel

16. CERTIFICATE COURSES/ADD ON COURSES

Certificate courses conducted on-

1. Mushroom cultivation
2. Gardening & Nursery
3. Bio-fertilizers
4. Organic farming

17. EXTENSION ACTIVITIES:

Participated in Swachbharat Programme in the college premises Haritha Haram Plantation,
Eco friendly Ganesh idol preparation programme Maintaining Botanical garden

List of Senior Visiting Faculty :

1. Dr. D. Parvathi, Assistant Professor of Botany.
2. Smt. K. Saritha, Assistant Professor of Botany

18. Research Publications

D. Suneeta- 03

S. No	Journal	Year	Title of the Paper	ISSN. No	Page. No.
1	International Journal of Botany studies	2020	Phytopharmacological activities of Tecoma Capensis (Thumb) Lind plan flowers	2455541X	Volume.5 Issue.4 311-314
2	International Symposium on Biodiversity of medicinal plans & Orchids Emerging trends and challenges	2018	Hepatoprotective and antioxidant activity of Ixora pavetta and Tecoma capensis	MPO.158	172
3	Malaysian journal of soil sciences	2021	Isolation and screening of indigenous Rhizobic from BlackGram cultivated in fallow rice soils for plant growth promoting traits	13942 -7990	Volum.25 125 - 142

19. MOU/COLLABORATION:

MOUs with Pingle Government College (W), Botany Department

20. BEST PRACTICES /INNOVATIVE PRACTICES:

1. KNOW A PLANT A DAY - To make the students aware of the plants their scientific name and their uses
2. QR CODING OF THE PLANTS
3. VERMI- COMPOSTING- Waste management pr

21. Student Progression:

Student Progression	No. of .students
UG to PG	01
UG TO B. Ed	01
UG to B. P. Ed	01

Number of students receiving financial assistance from college, university,

Government or other agencies;

About 95% of the students receive scholarships funded by Government.

22. Details on Students Enrich Programme (Special Lectures/workshops/seminars with external experts):

Extension lectures arranged from 2017-2022

1) Dr. D. Parvathi, Asst. Prof of Botany, PGC (W), Warangal

2) Smt. K. Saritha, Asst. Prof of Botany, PGC (W), Warangal

23. Participation in Institutional Social Responsibility (ISR)

Participated in Swachbharat Programme in the college premises

Haritha Haram Plantation, Eco friendly Ganesh idol preparation programme

Maintaining Botanical garden

24. SWOC analysis of the Department and Future plans:

Strengths : Qualified teaching Faculty.

Weakness : Insufficient Classrooms, Lack of research Facilities in the Institution

Opportunities : MOUs with Pingle Government College (W), Botany Department

Challenges : student dropout rate is high

Future Plans : To start Certificate courses, to improve the facilities in Lab

INNOVATIVE & BEST PRACTICES:

1. Awareness Programme on Environment protection



2. VERMI COMPOST PIT



3. QR CODING OF THE PLANTS



4. KNOW A PLANT A DAY





5. ADMISSION CAMPAIGNING



Admission campaigning at G.J.C, KODAKANDLA



Admission campaigning at RAYAPARTHY

6. PLANTATION PROGRAMME



Plantation in Haritha Haram programme



PLANTATION AS PART OF WORLD ENVIRONMENT DAY CELEBRATIONS

7. ECO-FRIENDLY GANESH IDOL PREPARATION



STUDENT CENTRIC ACTIVITIES

1. STUDENT SEMINARS



2. QUIZ COMPETITION



3. SELF LEARNING

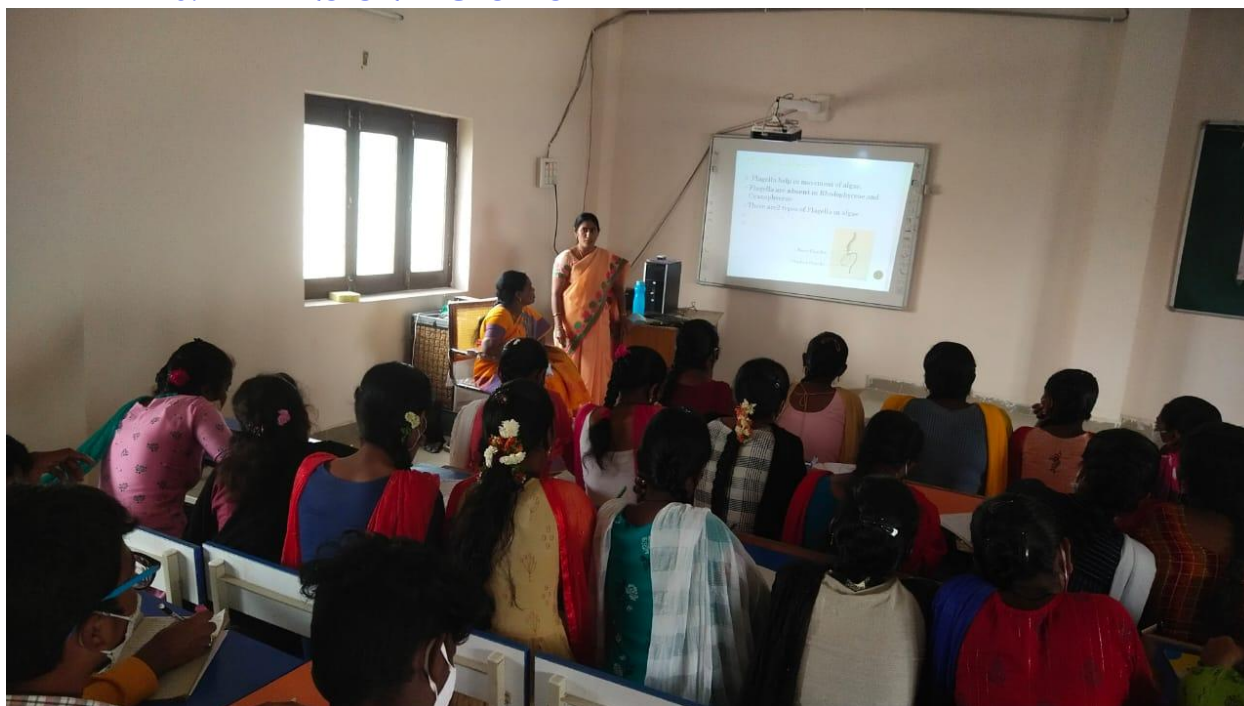


4. FIELD TRIP



FIELD TRIP TO VENKATAPURAM LAKE

5. EXTENSION LECTURES



EXTENSION LECTURE BY Smt, K.SARITHA