

## **Criterion-I: Curricular Aspects**

The Department of Botany is following the Common Core syllabus framed by the State of Andhra Pradesh. The 1<sup>st</sup> year degree syllabus was revised in the academic year 2020-21, the 2<sup>nd</sup> year degree syllabus was revised in the year 2021-22 and the 3<sup>rd</sup> year degree syllabus was revised in the year 2022-23. This Department strictly follows the curriculum designed by the affiliating university Viz. Acharya Nagarjuna University, Guntur. Presently we are following CBCS pattern for all the three years.

### **Criterion – 1: Curricular Aspects**

- The faculty members prepare and submit annual academic plan to principal at the beginning of every academic year to ensure proper implementation of the curriculum.
- The members of the department maintain records like teaching notes, teaching diary which will be counter signed by the principal at the end of every month. This ensures monitoring the progress of the activities of the department.
- Feedback mechanism from the students on the curriculum is being taken every year and it is taken into consideration.

## **Criterion-II: Teaching-Learning and evaluation**

- The primary teaching method of the faculty members is the traditional system using blackboard.
- The traditional approach will be supplemented by the use of ICT (power point presentations, video lectures, LMS, Digital classes, Virtual classes etc.,)
- The faculty prepares question banks for each topic and the same will be given to students.
- Bridge classes are conducted for first year students to make them comfortable with the curriculum.
- Students are encouraged to view telecasts on social media like youtube for updating their knowledge.
- Remedial classes are conducted for slow learners.
- Students are encouraged to participate in class room seminar.



- In the classrooms, they are often encouraged to talk standing at the board to inculcate leadership and to reduce the fear of stage handling.
- Student teacher ratio in the department this year is 15:1

## **Evaluation methods**

Student evaluation takes place throughout the course duration in various forms. Students are assessed by summative and formative questioning in the class room, assignments, quizzes, group discussions and seminars offline and online. We conduct assignments, slip tests, mid- term examinations for the assessment of students' academic progress. After the completion of the syllabus and before the main examinations. In all these examinations the question papers will be in a prescribed format, instructed by the affiliated university to enable the students to get acquainted with the design of the paper.

## **Criterion-III: Research, Consultancy and Extension Activities**

### **a) Research**

- Research articles have been published in various reputed national and international journals.
- Text books have been written for the students of distance education and regular education.
- Write up of new textbooks as per the revised CBCS syllabus is under way.
- Department organizes diverse extension activities to cater the needs of students as well as people
- Department extends consultancy services to the enterprises related to Botany on their consult and request
- Organizes online webinars keeping young hopefuls of biology present in our state and country

## **Criterion-IV: Infrastructure and Learning resources**

### **Library**

Department library has been maintained with 50 books covering the syllabi of all the 3years and also various books useful for PG entrance examinations. This apart, students are encouraged to utilize the common library.



## **Criterion-V: Student Support and mentoring**

### **Support for PG entrance examinations**

Students of B.Sc., who are interested in pursuing M.Sc (Botany) in their post-graduation are encouraged by the Department by making them available with the PG Entrance reading material in the Department and by allotting a small period of time in regular classes and by conducting special classes. Also helping the sister departments to cover the common and fundamental topics in order to bring novelty and stand for unity.

### **Criterion - VI: Governance, Leadership and Management**

- The two lecturers of the department are leading the following committees as coordinators, conveners and members at the instance of the Principal and assisting him in the college administration.

#### **Dr. N.V. Ramana, HOD**

<b>S. No</b>	<b>COMMITTEE</b>	<b>ROLE</b>
<b>1.</b>	NAAC	Coordinator
<b>2.</b>	IQAC	Coordinator
<b>3.</b>	JKC	Coordinator
<b>4</b>	APSSDC	SPOC

#### **Sri. D. Rajasekhar, Lecturer**

<b>S. No</b>	<b>COMMITTEE</b>	<b>ROLE</b>
<b>1.</b>	Academic Affairs of the College	coordinator
<b>2.</b>	ECOCLUB	coordinator
<b>3.</b>	Grievance Redressal Cell	coordinator
<b>4.</b>	Fine Arts and Literary	member
<b>5.</b>	Field Trips, Rallies and Surveys	member
<b>6.</b>	Audio Visual	member
<b>7.</b>	CPDC	member
<b>8.</b>	Endowment Prizes	member



<b>9.</b>	Women Empowerment Cell	member
<b>10.</b>	DRC	member
<b>11.</b>	NAAC 3-Criterion- Research, Consultancy and Extension Activities	member

- Students mentoring services

### **Criterion – 7 Institutional Values and Best Practices**

- Bouquet making with the flowers and plants available on the college premises
- Honoring guests with the saplings propagated in the department and grown in left over plastic bottles
- Best out of the Waste

### **SWOC analysis of the department and Future plans:**

#### **STRENGTHS**

- Qualified and competent faculty
- Responsible and dedication for duty
- Accessible to students

#### **WEAKNESSES**

- Rural and less motivated students
- College is located on the outskirts of the town

#### **OPPORTUNITIES**

- Using additional inputs for teaching additional topics
- Use of newspaper clippings, PPT, LMS videos for class room teaching
- Motivating students for higher education
- Offering certificate courses, student projects and Internship training

#### **CHALLENGES**

- Mushroom growth of private colleges in the town



- Unhealthy competition among the colleges and use of unethical practices to attract students for admission
- Less motivated students

### **FUTURE PLANS**

- To develop a sophisticated Botany lab
- To promote eco club activities and work for beautification of the campus and rear medicinal plants and exotic varieties
- To offer online courses and promote value addition to conventional courses
- To start up Azolla Farming