



PVKN GOVERNMENT COLLEGE (A)

(Accredited with 'A' Grade by NAAC)

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Vellore Road, **CHITTOOR** - 517 002. A.P.

www.pvkngcchittoor.ac.in



2.3.1. Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Response:

The college strongly believes in student-centric learning process and hence, practices a wide variety of student-centric methods like field trips, group discussions, role-plays, laboratory experiments, mini projects, industrial visits, essay writing, elocution, seminars, webinars, presentations, study projects, interactive sessions, industry internships, surveys, etc to enhance the overall learning experience of the students.

The following activities are conducted by the college to make the teaching-learning process more students centric:

1. Experiential Learning: The process of learning through hands-on experiences adopted in PVKN is:

- **Laboratory Experiments:** Practical implementation of theoretical knowledge learned in the classroom through laboratory experiments in each semester of the B.Sc program.
- **Peer teaching and learning:** Advanced learners are involved in peer-teaching to the juniors as it improves students' attitudes towards learning.
- **Internships:** Students of the science departments are provided with internships from industries and facilitate them to work on industry projects.
- **On-site learning:** On-site learning is encouraged through arranging industrial visits, advanced laboratory visits, field trips and a visit to heritage sites. Industrial visits for students provide exposure to industrial work culture.
- **Guest Lectures:** Guest lectures by eminent experts from industry and academics are arranged regularly on topics of core subjects and the latest developments in the industry besides career orientation to supplement the teaching process and elevate the learning experience of the students.
- **Step-up programme and Project Exhibitions:** In order to motivate students to develop good quality projects and provide a platform to showcase their knowledge and skill, Step-up programme/project exhibitions are organized through students under the supervision of mentors.

2. Participative Learning: The College encourages its students for participative learning by providing them an opportunity to participate in the following academic and extension activities:

- **Co-curricular activities:** Co-curricular activities like quizzes, debates, group discussions, etc are organized in all departments through Quiz club and Women



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- Empowerment Cell to explore the strengths and talents of the students.
- **Team work through extension activities:** The College encourages participation of students in different extension activities like Swatchh Bharat, Voter Awareness, Village adoption, Saplings plantation, Health awareness camp, Gender Sensitization, Gender Equality, etc through NSS and different clubs to promote the spirit of teamwork and social responsibility. This helps the students to learn art of living in a team and prepare themselves to serve the community.
 - **Cultural activities:** Students Council formulate various cultural committees for planning and conducting sports and cultural and events which helps in building leadership skills in students.
 - **Role-play:** Teachers adopt role-play method especially in language courses to supplement teaching by way of participative learning.
 - **Webinars, Workshops and Trainings:** The Mentor encourages and guides students for participation in webinars, seminars, workshops and training programmes. Students are also consulted in the planning and organization of many workshops/trainings to develop leadership and team-building skills.
 - **Student seminars:** Student seminar and paper presentation in each semester on core and advanced topics related to their discipline provide ample opportunity in participative learning.
3. **Problem Solving:** The College encourages teachers to incorporate activities that enhance the problem solving skills of students.
- **Skill development, Life skill and Research Methodology courses:** Skill development, life skill and research methodology courses are integrated into the syllabus under the CBCS framework. This helps to develop scientific thought processing skills, the critical thinking and problem solving capabilities amongst the students.
 - **Curriculum based project:** Mini projects are part of the curriculum for some of the courses. Problem solving methods are taught to the students by engaging them in group tasks or group projects.
 - **Elocution and Quiz competitions:** Various competitions like quizzes, elocutions and essay writings are conducted by subject teachers in all UG and PG programs to enhance the problem solving skills of students.
 - **App development:** Students of computer science develop an app, use Computer Programming and Statistical tools for problem-solving.
 - **Industry-academia collaboration:** College has active MoUs with industries to provide internship opportunities for students to work on the need-based projects. This provides students the hands-on experience on lab equipment and manufacturing operations which in turn enhances the problem solving skills and learning experience of the students.
 - **Research Activities:** Students are informed to make use of resources beyond the



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classroom for investigation of questions/problems. Research activities are conducted in some departments under the guidance of senior faculty where the students of different semesters get knowledge about emerging trends in their subjects. Performing review of research papers, surveys, etc by the students helps in developing their critical thinking and increasing levels of learning.

4. **Individual and enquiry-based Learning:** The College provides an environment for students to focus on self learning and in enhancing their learning experience.
- **MOOC Courses:** Diploma course, Certifications courses, NPTEL, Spoken tutorial courses are promoted by the college.
 - **Library:** The College has a well-equipped library with adequate books and e-resources. Free internet access in the library promotes the habit of self learning and discussion.
 - **Interaction with experts:** Exposure to industry experts, practicing scientists, entrepreneurs, social activists and NGOs inculcate a spirit of enquiry, a zest for innovation and the willingness for adaptation of ideas to find solutions to the need challenges posed to the society.


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