3.2.1: Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Institution provides a active environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involved in the application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents.

Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products.

For enhancing learning experiences the faculty members adopt many ways, for example, lecture method, interactive method, project and field work method, computer-assisted method, experiment method etc. Teaching and learning activities are made effective by these practices. Many teachers use the conventional black-board presentation methods, especially in mathematics, chemistry, physics, commerce and economics, where they teach mathematics, mathematical equations and statistics as numerical solving. Also, some teachers use power point presentations and computer-based materials. For, they use the lectures of you-tube to make learning interesting besides the conventional oral presenting methods. Some Student centric methods are given below:

Project methods: The project work stimulate student's interest on the subject and provide student an opportunities of freedom of thoughts and free exchange of different views. As per the requirement of syllabi, the project work is done. For example, the Projects are done in PG classes.

Field Study: A field study is a general method for collecting data about users, user needs, and product requirements that involves observation and interviewing. Investigators in field studies observe users as they work, taking notes on particular activities and often asking questions of the users. Observation may be either direct, where the investigator is actually present during the task, or indirect, where the task is viewed by some other means like a video recorder set up in an office. The method is useful early in product development to gather user requirements. It is also useful for studying currently executed tasks and processes.

Interactive methods

The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, educational games, discussion and questions and answers on current affairs, etc. Class room discussion in various

topics are done under features. Especially, NSS, Political science department and sociology department organize interactive methods many times in a year.

ICT Enabled Teaching:

ICT enabled teaching includes class rooms with LCD, Language Lab, Smart Class rooms, etc. The institution adopts modern pedagogy to enhance teaching-learning process. The institution has the essential equipment to support the faculty members and students.

Experiential learning:

Experimental/Laboratory method is used in science subjects to acquaint the students with the facts through direct experience individually. Students verify the facts and laws of the subject with the help of experiments. Especially, the department of Chemistry, Physics, uses this method. Students take interest and learn things via experiential learning.

Student Seminars:

The Student seminars are organized where in the papers are presented by students on contemporary topics to enrich their learning experience.

Summer Internship Program:

The NSS Swachh Bharat Summer Internship is organized for NSS students. Only 150 student can participate in this program, where they learn about the importance of cleanliness. They do their job of 100 hours in the selected villages. No other academic Summer Internship Program is organized by the college except NSS.

Group Learning Method:

Group Learning method is now being adopted through whatsapp group. Student share their notes and study material through this method. Whatsapp group are made by an student or by the contract teacher. They share the information to each other.

Group Projects:

Group projects can help students develop a host of skills that are increasingly important in the professional world. Positive group experiences, moreover, have been shown to contribute to student learning, retention and overall college success. Properly structured, group projects can reinforce skills that are relevant to both group and individual work, including the ability to:

- Break complex tasks into parts and steps

- Plan and manage time

- Refine understanding through discussion and explanation

- Give and receive feedback on performance,Develop stronger communication skills.

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

The following tools are used by the Institute

ICT Tools:

1. Projectors- There are 10 projectors are available in different departments

2. Desktop - Arranged at Computer Lab

3. Printers- They are installed at Labs and all the departments.

 4. Seminar Rooms- one seminar halls are equipped with all digital facilities.

5. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.

6. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom

7. MOOC Platform (NPTEL)

8. Digital Library resources (Digi Lib software used)

 Use of ICT By Faculty

- PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.

- Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.

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