

## **Course Outcomes (COs): B. Sc. Entrepreneurship**

### **B. Sc. I Entrepreneurship**

- Theory** This course provides the overall knowledge to the students about entrepreneurial skills, accounting practices, regarding economics and managerial decisions, knowledge regarding product designing, product finalization & cost analysis and preparation of proposal to start up project. Through this course, students get information about the basic elements of inorganic chemistry with structure & bonding and a core for future studies in chemistry, study microscopy. The study Provides the knowledge of cultivation of microbes, staining & counting of cells, physical structure of chemical compounds, qualitative & quantitative information of compounds, types of cell & role of cell in biology, the fermentation process & industrial importance of micro-organisms to the students. In addition, it provides the knowledge of basic English grammar, communication skills & use of language in creative writings.
- Practical** Practically the students get acquaint with the entrepreneurial skills such as integrity, conceptual thinking, dealing with risk, networking, strategic thinking, commercial aptitude, decisiveness, optimism, customer sensitivity and persistence as well as students get knowledge about the various management functions, namely accounting, finance, marketing, production & operations, and human resource management. During the practical hours, the structure of a multi-electron atom and the basis of the Periodic Table is discussed among the Students. Students can set up the experiments using glassware and apparatus to conduct experiments in Inorganic chemistry and interpret data from a range of physical techniques to characterize inorganic compounds as well as recognize many fundamental bond forming reactions and how to apply them in synthesis & describe bonding models and appreciate how these impact on the properties of a simple molecule in fundamentals of physical & analytical chemistry. Students can get the basic knowledge about Microbiology starting from history, basic laboratory techniques and basic knowledge about the micro organisms and information about the functions and microbial techniques and also biochemical properties of molecules, relationship between food and microbes, techniques used in food processing. Students get the knowledge of crop development, applications of plants, animal tissue culture, animal products &

improvement of them and various systems in human body and their activities as well as basic structure and metabolism of biomolecules, structure of atoms and biomolecules.

### **B. Sc. II Entrepreneurship**

**Theory** This course provides the information to the students about managerial practices, regarding accounting packages and acquired skill of accounting, accounting practices and to develop the capacity for effective decision making in international marketing practice. In addition, it provides the basic information about various industrial process for manufacture of chemicals and their functioning, applications of current chemical and scientific theories, classification of genes and chromosomes morphology, abbreviations and their types. As well as students get information about various instruments used in chemistry and their handling & about microorganisms involved in food and dairy industries.etc.

**Practical** Practicals develops an ability in the students to prepare business plan, knowledge about various concepts of entrepreneurship, business opportunity, gathering funding and launching a business, growing and nurturing the organization etc. The students get information about preparation of chemicals, measurement of COD, BOD, DO of water and standardize them along with the basic functions, structures and biological importance of lifeless chemical compounds to learn about carbohydrates, amino acids, importance of carbohydrate & amino acids in chemistry. In addition, students become able to understand the micro organisms and their participation in day to day activities, fermentation, microbial products, vaccine and antibiotics.

### **B. Sc. III Entrepreneurship**

**Theory** This program provides the information about structure of compounds from various spectra, Techniques in Industrial chemistry, also they get the information about structural information, bonding and special arrangement of molecule. In addition, it provides various practices in Human Resource Management, Business Finance, and Advances in Fermentation Technology, International Business, Organizational Behavior, and Genetic Engineering & Techniques in Plant Tissue Culture. The English language learning gives the information about advanced English grammar, language skills & use of language in creative writings.

**Practical** Students become able to understand the concept of Entrepreneurship, corporate social responsibility & the ISO standard and its importance & the basic concepts and real life procedures in company accounts as well as to introduce about various concepts of entrepreneurship, business opportunity, fund gathering and launching a business etc. Students are made to demonstrate an understanding of major concepts in all disciplines of industrial chemistry, methods of analysis related to chemical analysis such as detection of function groups, the importance of carbohydrate, amino acids in chemistry etc. Students become able to understand the micro organisms and their participation in day to day activities like fermentation, microbial products, vaccine and antibiotics as well as students get an idea about the advantages and disadvantages of biotechnological applications.