

Program Specific Outcomes: B. Sc. Entrepreneurship

<p>This definitive document provides the main characteristics and learning outcomes of the said program. If students will engage themselves in the process of effective learning, it will give opportunities to utilize acquired knowledge for the catering the needs of science and technology as well as for the betterment of human mankind. This document reflects the eligibility of student for admission, syllabus, exam pattern and prospects of the program. On the basis of this document, students can develop their personality and do great achievements as outcome of the above cited program.</p>	
Programme Information:	
Award	B. Sc.
Society / Trust	Shriram Gramin Sanshodhan Va Vikas Pratishthan, Wadala
Programme Title	Entrepreneurship
Institution	Lokmangal Science and Entrepreneurship College, Wadala
Awarding Institution	Solapur University, Solapur, Maharashtra State, India
Faculty	Science
Department	Entrepreneurship
Mode and Period of Study	Three (3) academic years (Six Semesters)
Entry Point	Annually in June-July
Person responsible for the specification	Dr. Gaikwad Mandar Subhash
Reference points	Life Sciences or Biosciences
Description of Programme Contents	The B.Sc. Entrepreneurship program is a three-year degree. In the first two years students will tackle core subjects to ensure that they receive a solid grounding in fundamentals. Students will then specialize in the final year, making their choice from a wide range

	<p>of options and research projects. Our industrial microbiology, industrial chemistry, Entrepreneurship and industrial biotechnology courses contain topics covering all aspects of the industrial microbiology, industrial chemistry, Entrepreneurship and industrial biotechnology. Such as Entrepreneurship and world of business, Economics for manager and managerial accounting, Fundamental of inorganic chemistry, Fundamental of organic chemistry , Fundamental of Microbiology, Basic techniques in microbiology, Principles of marketing and management Accounting, Cost accounting and project management, Advanced Accountancy & Auditing.</p>
<p>Academic Requirement (Eligibility) for Admission</p>	<p>A Candidate passing 10+2 with biology as one of the subject and passed from state syllabus / CBSE / equivalent with minimum passing percentage of 45% aggregate for open category and 5 % relaxation in the aggregate for all reserved categories candidates as per the government rules and regulations. Admission is based on first come first serve basis.</p>
<p>Learning & Teaching Strategy</p>	<ul style="list-style-type: none"> • Laboratory • Lectures • Tutorials • Seminars • Computer-based work • Group project • Research project/dissertation • Site visits
<p>Assessment Strategy</p>	<ul style="list-style-type: none"> • Written Examinations • Coursework • Laboratory write-ups • Essays • Reports • Dissertations • Presentations

	<ul style="list-style-type: none"> • Individual research project report • Viva <p>Regulation of Assessment</p> <p>The respective B.O.S. may decide the nature of college internal assessment after referring to scheme given below or may be used as it is. As per the norms of the grading system of evaluation, out of 100 marks, the candidate has to appear for college internal assessment of 30 marks and external evaluation (University assessment) of 70 marks.</p> <p>. Assessment Rules and Degree Classification:</p> <p>Passing Standard</p> <p>The student has to secure a minimum of 4.0 grade points (Grade C) in each paper. A student who get less than 4.0 grade point (39% or less marks, Grade FC/FR) will be considered fail in that paper and has to reappear for respective paper. FC grade is given to the students who is failed in University Examination (theory) and passed in internal assessment of a same paper. Such student will have to reappear for University Examination only. FR grade is given to the student who fails in Internal assessment and passed in University examination (theory) Such student will have to reappear for both University examination as well as internal assessment.</p> <p>In case of Annual pattern/old semester pattern students/candidates from the mark scheme, the candidates has to appear for the same 70 marks of external examination and his performance shall be scaled to 100 marks and candidate passed in all papers except 5 (five) papers combined together of semester I and II of B.Sc. Part-I Entrepreneurship examination shall be permitted to enter upon the course of Semester III of B.Sc. Part-II Entrepreneurship.</p>
<p>Academic Feedback Policy</p>	<p>Coursework feedback is provided by a feedback form attached to items of coursework. Feedback is also provided via Blackboard on automatically-assessed pieces of coursework and on formative MCQ quizzes. Personal tutors hold timetabled tutorials at the start</p>

		of the academic year to give feedback on examination performance and can be approached by their tutees at any point in the year for further guidance. The undergraduate teaching office repeatedly informs individual staff via email when coursework is due back at the appropriate time. The Director of Undergraduate Studies routinely monitors the quality and quantity of feedback provided on marked coursework. In some instances, generic class feedback is returned to all students via email or a Blackboard announcement once coursework is marked.					
Course	Sem	Subject	Credits		CA	UA	TA
			TH	PR			
B.Sc. I	Sem I	English paper I (communication skill)	4	0	70	30	100
PSOs	Students become familiar with the basic English grammar, communication skills, basic language skills & use of language in creative writings.						
B.Sc. I	Sem I	Paper I: Entrepreneurship and world of business	2.5	0	70	30	100
	Students will aware of entrepreneurial skills & they will start up project.						
B.Sc. I	Sem I	Paper II: Economics for manager and managerial accounting	2.5	0	70	30	100
PSOs	Students will get the information about accounting practices & get knowledge regarding economics and managerial decisions.						
B.Sc. I	Sem I	Paper I: Fundamental of inorganic chemistry	2.5	0	70	30	100
PSOs	Students can understand the basic elements of inorganic chemistry, its structure & bonding.						
B.Sc. I	Sem I	Paper II: Fundamental of organic chemistry	2.5	0	70	30	100
PSOs	The aim of this course is to study the reaction mechanism and synthesis of organic compounds.						

B.Sc. I	Sem I	Paper I: Fundamental of microbiology	2.5	0	70	30	100
		Helps in the study of scientific research in Microbiology, types and cultivation of microorganisms.					
Sc. I	Sem I	Paper II: Basic techniques in microbiology	2.5	0	70	30	100
PSOs		Helps in study of microscopy, cultivation of microbes, staining & counting of cells.					
B.Sc. I	Sem I	Paper I: Cell Biology	2.5	0	70	30	100
PSOs		Students get the information about cell, types of cell & role of cell in biology.					
B.Sc. I	Sem I	Paper II: Animal and plant physiology	2.5	0	70	30	100
PSOs		Helps in the study of Histology of tissue, organs of animals and plants.					
B.Sc. I	Sem II	English paper II(communication skill)	4	0	70	30	100
PSOs		Students become familiar with the basic English grammar, communication skills, basic language skills & use of language in creative writings.					
B.Sc. I	Sem II	Paper I: Principles of marketing and management Accounting	2.5	0	70	30	100
PSOs		Students are made aware of marketing strategy & can be prepared for a business man.					
B.Sc. I	Sem II	Paper II: Cost accounting and project management	2.5	0	70	30	100
PSOs		Students get the knowledge regarding product designing, product finalization & cost analysis.					
B.Sc. I	Sem II	Paper I: Fundamental of physical chemistry	2.5	0	70	30	100
PSOs		Students can get the information of chemical compounds and their physical structure.					
B.Sc. I	Sem II	Paper II: Fundamental of analytical chemistry	2.5	0	70	30	100
PSOs		Students can determine the qualitative & quantitative information of chemical compounds.					

B.Sc. I	Sem II	Paper I: Fundamental of industrial microbiology	2.5	0	70	30	100
PSOs	Students get the information about the fermentation process & industrial importance of micro-organisms.						
B.Sc. I	Sem II	Paper II: Basics techniques in industrial microbiology	2.5	0	70	30	100
PSOs	Students know the process of strain improvement; scale up of fermentation, inoculum preparations, microbial assays, fermentation economics & downstream processing.						
B.Sc. I	Sem II	Paper I: Basics of Biomolecules	2.5	0	70	30	100
PSOs	Students become able to distill and model bio-molecular interactions and biological phenomenon as mathematical models and simulate them and explain the various physical modeling approaches for biomolecules, biological pathways, regulation and networks.						
B.Sc. I	Sem II	Paper II: Basics of Metabolism	2.5	0	70	30	100
PSOs	Students recognize the amino acid structure, describe the physical & chemical properties and predict how their ionic charges change with pH.						
B.Sc. I	Annual	Laboratory Course I	0	4	70	30	100
PSOs	Students can develop entrepreneurial skills such as integrity, conceptual thinking, dealing with risk, networking, strategic thinking, commercial aptitude, decisiveness, optimism, customer sensitivity and persistence as well as the acquisition of a thorough knowledge about the various management functions, namely accounting, finance, marketing, production & operations, and human resource management.						
B.Sc. I	Annual	Laboratory Course II	0	4	70	30	100
PSOs	Students discuss the structure of a multi-electron atom and the basis of the Periodic Table, set up 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.							
B.Sc. I	Annual	Laboratory Course III	0	4	70	30	100	
PSOs	Students will gain 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.							
B.Sc. I	Annual	Laboratory Course VI	0	4	70	30	100	
PSOs	Students get the information of crop development, applications of plants, Animal tissue culture, Animal products, production & 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	Sem III	Paper -V Principles of Business Management & Business Organization	3	0	70	30	100	
PSOs	Student will get the information about managerial practices & how the business organizations work by applying economic principles in their business management and various types of business organizations, office management etc.							
B.Sc. II	Sem III	Paper- VI Advanced Accountancy & Auditing	3	0	70	30	100	
PSOs	Student will get the information regarding accounting and acquired skills of accounting, Corporate Accounting in conformity with the provision of the Companies Act and principles and concepts of Accountancy. In addition, the student can be well versed in the fundamental concepts of Auditing.							
B.Sc. II	Sem III	Paper –V Analytical And Industrial Aspects of Inorganic Chemistry	3	0	70	30	100	
PSOs	Students will get the information about various industrial processes for manufacture of chemicals and its functioning.							
B.Sc. II	Sem III	Paper VI Analytical And Industrial Aspects of Organic Chemistry	3	0	70	30	100	

PSOs	Students get the knowledge of foundation in the fundamentals and applications of current chemical and scientific theories.							
B.Sc. II	Sem III	Paper V Genetics	3	0	70	30	100	
PSOs	Students will get the information of various types of genes, classification of gens, chromosomes morphology, chromosomes abbreviations and their types.							
B.Sc. II	Sem III	Paper VI Fermentation Technology	3	0	70	30	100	
PSOs	To provide education and training in food chemistry, food safety, food processing, food packaging, sensory evaluation, flavor chemistry and fermentation science. Course will also provides fundamental and applied research across dairy, seafood, wine, beer, fruit, and vegetable categories to provide value-added solutions to current and future problems encountered by Oregon's food and beverage processing industry.							
B.Sc. II	Sem IV	Environmental Science	4	0	70	30	100	
PSOs	Students will become aware about environment issues and steps to overcome.							
B.Sc. II	Sem IV	Paper VII Corporate Accounting & Professional Ethics	3	0	70	30	100	
PSOs	Student will get the information regarding code of ethics and they will aware about accounting practices.							
B.Sc. II	Sem IV	Paper VIII International Marketing & Marketing Decision	3	0	70	30	100	
PSOs	Students will be capable for effective decision making in international marketing practice.							
B.Sc. II	Sem IV	Paper VII Analytical And Industrial Aspects of Physical Chemistry	3	0	70	30	100	
PSOs	Students get the information of various instruments used in chemistry and their handling.							
B.Sc.	Sem	Paper VIII Industrial Aspects of Applied	3	0	70	30	100	

II	IV	Chemistry						
PSOs	It help students to understand the principles of chemistry including: structural/functional relationship of macromolecules in a biological context; differential aspects of transition metal chemistry, coordination complexes and organ metallic species and chemical and physical laws, functioning of spectroscopic and chromatographic measurements.							
B.Sc. II	Sem IV	Paper VII Molecular Biology	3	0	70	30	100	
PSOs	Students get the knowledge of biological and/or medicinal processes through the investigation of the underlying molecular mechanisms.							
B.Sc. II	Sem IV	Paper VIII Food & Dairy Technology	3	0	70	30	100	
PSOs	Students get the information about microorganisms involved in food and dairy industries.							
B.Sc. II	Annual	Lab Course-I	0	8	70	30	100	
PSOs	Students are made enable for business plan, knowledge about various concepts of entrepreneurship, business opportunity, gathering funding and launching a business, growing and nurturing the organization etc.							
B.Sc. II	Annual	Lab Course-II	0	8	70	30	100	
PSOs	Students get information about preparation of chemicals, measurement of COD, BOD, DO of water and its standards, basic functions, structures and biological importance of life compounds. Students get the information about carbohydrates, amino acids, importance of carbohydrate & amino acids in chemistry.							
B.Sc. II	Annual	Lab Course-III	0	8	70	30	100	
PSOs	Student becomes able to understand the microorganisms and their participation in day to day activities, fermentation, microbial products, vaccine and antibiotics.							

B.Sc. III	Sem V	Compulsory English	3	0	70	30	100
PSOs	Students get the knowledge of English grammar, communicative skills, to define, classify, and understand the methods of communication, to improve their LSRW skills, to enable them to practice those skills in their daily life & use of language in creative writings.						
B.Sc. III	Sem V	Business Finance	3	0	70	30	100
PSOs	Students can demonstrate the current information, theories and models, techniques and practices including the general areas of Accounting and Finance, Management, Marketing, and Quantitative Analysis.						
B.Sc. III	Sem V	Human Resource Management	3	0	70	30	100
PSOs	Students can develop an ability to describe the trends in labor force composition and make a plan for the human resource needed to meet organizational goals and objectives as well as to define the process of job analysis and discuss its importance as a foundation for human resource management practice.						
B.Sc. III	Sem V	Spectroscopic methods	3	0	70	30	100
PSOs	Students become able to draw the specific information about structure of compound based on various spectra and study the spectroscopy of natural products.						
B.Sc. III	Sem V	Advances in Fermentation Technology	3	0	70	30	100
PSOs	Students get the knowledge of food chemistry, food safety, food processing, food packaging, fermentation science and fundamental and applied research across dairy, seafood, wine, beer, fruit, and vegetable categories to provide value-added solutions to current and future problems encountered by Oregon's food and beverage processing industry.						
B.Sc. III	Sem VI	Compulsory English	3	0	70	30	100

PSOs	Students get the knowledge of English grammar, communicative skills, to define, classify, and understand the methods of communication, to improve their LSRW skills, to enable them to practice those skills in their daily life & use of language in creative writings.						
B.Sc. III	Sem VI	International Business	3	0	70	30	100
PSOs	Students get the knowledge of import & export, their rules and regulations regarding international business environment.						
B.Sc. III	Sem VI	Organizational Behavior	3	0	70	30	100
PSOs	Students become able to differentiate between dependent and independent variables in organizational and to discuss attitude measurement and job satisfaction characteristics						
B.Sc. III	Sem VI	Techniques in Industrial Chemistry	3	0	70	30	100
PSOs	Students get the information of structure, bonding and special arrangement of molecules.						
B.Sc. III	Sem VI	Genetic Engineering & Techniques in Plant Tissue Culture	3	0	70	30	100
PSOs	Students develop an ability to apply knowledge and skill of various approaches in genetic engineering as well as to understand the plant structures in the context of physiological functions, lipid metabolism and various processes. Students know the various techniques like mushroom, compost, Plant tissue culture, Green houses and poly houses, etc.						
B.Sc. III	Annual	Ent Lab- 301	0	3	70	30	100
PSOs	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.						
B.Sc. III	Annual	Ent Lab- 302 Project	0	3	70	30	100

B.Sc. III	Annual	Ent Lab- 303	0	3	70	30	100	
PSOs	Students can demonstrate the understanding of major concepts in all disciplines of industrial chemistry, methods of analysis related to chemical analysis such as detection of functional groups, importance of carbohydrates and amino acids.							
B.Sc. III	Annual	Ent Lab- 304	0	3	70	30	100	
PSOs	Student becomes able to understand the microorganisms and their participation in day to day activities such as fermentation, microbial products, vaccines and antibiotics as well as students get an idea about the advantages and disadvantages of biotechnological applications.							