

SAVITRIBAI PHULE PUNE UNIVERSITY
PROPOSED STRUCTURE AND SYLLABUS FOR
S.Y BACHELOR IN VOCATION (IT-ITeS)
SEMESTER PATTERN WITH CREDIT SYSTEM

The B.Voc (IT-ITeS) (Semester pattern with credit system) degree programme of Skill Development Centre, SavitribaiPhule Pune University

Eligibility and Admission

Admission to B.Voc (IT-ITeS) is open to following students:

I: Students already acquired NSQF certification Level 4 in a particular industry sector and opted admission in the skill based courses under NSQF in the institutions recognized under Community Colleges / B.Voc Degree programme / DeenDayal Upadhyay KAUSHAL Kendra's in same trade with job role for which he / she was previously certified at school level.

II: Students who have acquired NSQF Certification Level 4 but may like to change their trade and may enter into skill based courses in a different trade.

III: students who have passed 10+2 examination (Regular or Vocational) from a recognized board.

The admission will be based on performance in the entrance test, consisting of objective type of questions to be conducted by the university department.

Duration and Structure of Programme

The B.Voc (IT-ITeS) (Semester pattern with credit system) degree programme shall be of 3 years duration divided into three parts, Part I, Part II and Part III and 6 semesters. (At each part there will be 12 courses of 60 credits (1200 marks). Each part would comprise of two semesters each with 3 subjects of 4 credits each for general components and 3 subjects of 6 credits each for skilling component. The B.Voc (IT-ITeS) degree examination Part I, II and III in aggregate shall be of 180 credits (72 General and 108 Skilling) for 3600 marks. The contents of the courses are subject to change keeping in mind the industry requirements on timely basis.

Sr.No	Semester	Credits		Total Credits
		General	Skilling	
1	Semester-I	12	18	30
Certificate in IT-ITeS		12	18	30
2	Semester-II	12	18	30
Diploma in IT-ITeS		24	36	60
3	Semester-III	12	18	30
4	Semester- IV	12	18	30
Advance Diploma in IT-ITeS		48	72	120
5	Semester-V	12	18	30
6	Semester-VI	12	18	30
B.Voc Degree in IT-ITeS		72	108	180

The Courses for B.Voc (IT-ITeS) are in-lines with National Skills Qualification Framework as shown below and are equivalent to educational accomplishments.

Pattern & NSQF Levels:

Sem- I (NSQF Level 4): Certificate

Sem- II (NSQF Level 5): Diploma

Sem-III & IV (NSQF Level 6): Advance Diploma

Sem-V & VI (NSQF Level 7):B.Voc Degree

THE LIST OF COURSES

SEMESTER III		SEMESTER IV	
SUBJECT CODE	NAME OF THE SUBJECT	SUBJECT CODE	NAME OF THE SUBJECT
GENERAL COMPONENT			
ITT-3.1	C PROGRAMMING	ITT-4.1	OBJECT ORIENTED PROGRAMMING USING C++
ITT-3.2	SOFTWARE ENGINEERING	ITT-4.2	SOFTWARE TESTING AND QUALITY ASSURANCE
ITT-3.3	DATABASE MANAGEMENT SYSTEM	ITT-4.3	SELF AND WORK MANAGEMENT-II
SKILLING COMPONENT			
ITP- 3.4	C PROGRAMMING LAB	ITP-4.4	SELF AND WORK MANAGEMENT-II LAB
ITP- 3.5	SOFTWARE ENGINEERING & DBMS LAB)	ITP-4.5	MINI PROJECT ON C++ & SOFTWARE TESTING

Detailed Course Structure:

SEMESTER-III	COURSE CODE	NAME OF SUBJECT	HOURS/ WEEK	CREDITS	EXAM HOURS	EXAM		
						INTER NAL	EXTER NAL	MAXIMUM
	ITT-3.1	C PROGRAMMING	4	4	3	50	50	100
	ITT-3.2	SOFTWARE ENGINEERING	4	4	3	50	50	100
	ITT-3.3	DATABASE MANAGEMENT SYSTEM	4	4	3	50	50	100
	ITP- 3.4	C PROGRAMMING LAB	6	6	4	75	75	150
	ITP- 3.5	SOFTWARE ENGINEERING & DBMS LAB)	12	12	8	150	150	300

SEMESTER-IV	COURSE CODE	NAME OF SUBJECT	HOURS/ WEEK	CREDITS	EXAM HOURS	EXAM		
						INTERNAL	EXTERNAL	MAXIMUM
	ITT-4.1	OBJECT ORIENTED PROGRAMMING USING C++	4	4	3	50	50	100
	ITT-4.2	SOFTWARE TESTING AND QUALITY ASSURANCE	4	4	3	50	50	100
	ITT-4.3	SELF AND WORK MANAGEMENT-II	4	4	3	50	50	100
	ITP-4.4	SELF AND WORK MANAGEMENT-II LAB	6	6	4	75	75	150
	ITP-4.5	MINI PROJECT ON C++ & SOFTWARE TESTING	12	12	8	150	150	300

Scheme of Examination:

The examination of regular students of B.Voc (IT-ITeS) degree course of Savitribai Phule Pune University admitted shall be based on

- Semester Examination (Theory + Skilling)
- Continuous Assessments (Theory + Skilling)
- Choice Based Credit System
- Semester Grade Point Average and Cumulative Grade Point Average System

For each paper of 100 marks, there will be an Internal Assessment (IA) of 50 marks and the University Examination (UE) of 50 marks/ 3 hours duration at the end of each semester. A candidate who will secure at least 40% marks allotted to each paper will be given 4 credits. A candidate who does not pass the examination in any subject or subjects in one semester will be permitted to appear in such failed subject or subjects along with the papers of following semesters.

The Internal Assessment for each paper will be 50 marks which will be carried out by the department during the term. The Internal Assessment may be in the forms of written test, seminars, term papers, presentations, assignments, orals, practical's or any such others. The distribution of internal assessment marks shall be as follows:

Mid Term Test	20
Presentation/Role Play/Seminar	10
Case Studies/Group Discussions/Mini Project	10
Quiz/OBT/Home Assignment	10
Total	50

There shall be six semester exams first semester examination at the middle of the first academic year and the second semester examination at the end of the first academic year. Similarly, the third and fourth semester examinations shall be held at the middle and the end of the second academic year and fifth and sixth semester examination shall be held at the middle and the end of third academic year respectively.

A student to qualify for admission to 3rd semester of the Course, the candidate must have passed 50% of total papers of the two semesters of the 1st year. In case, the result of 2nd Semester is not declared at the time of admission to 3rd Semester, the student may be admitted provisionally and will be allowed to take examination of 3rd semester if he/she has passed in 50 % of the total papers of first year (i.e. 1st and 2nd Semesters). Similarly, to qualify for admission to 5th semester of the course, the student may be admitted provisionally if the result of previous semester has not been declared and will be allowed to take examination of 5th semester, if he/she has passed 50% of the total papers of previous semesters.

A candidate placed under reappear in any paper, will be allowed two chances to clear the reappear, which should be availed within consecutive two years/chances i.e. to pass in a paper the candidate will have a total of three chances, one as regular student and two as reappear candidate.

The examination of reappear papers of odd semesters will be held with regular examination of the odd semester and reappear examination of the even semester will be held with regular examination of even semester. But if a candidate is placed under reappear in the last semester of the course, he will be provided chance to pass the reappear with the examination of the next semester, provided his reappear of lower semester does not go beyond next semester.

Attendance:

Every candidate will be required to attend a minimum of 75% lectures delivered to that class in each paper as well as 75% of the laboratory work, seminars etc. separately.