



Accessibility

(Default.aspx)

**DR. D.Y. PATIL UNITECH SOCIETY****DR. D.Y. PATIL ARTS, COMMERCE & SCIENCE COLLEGE**

SANT TUKARAM NAGAR, PIMPRI, PUNE-411018, (MAHARASHTRA) INDIA

RE-ACCREDITED BY NAAC WITH CGPA OF 3.28 ON A FOUR POINT SCALE AT 'A' GRADE

(AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY AND RECOGNIZED BY GOVT. OF MAHARASHTRA ID NO.

PU/PN/ACS/111/1995

ISO 9001: 2008 AND 14001: 2004 CERTIFIED

RECIPIENT OF BEST COLLEGE AWARD OF SPPU FOR ACADEMIC YEAR 2016-17)

## B.C.A. Science(Bachelor of Computer Application Science)

<b>Duration</b>	<b>Three Years</b>
<b>Eligibility</b>	1. Higher Secondary School Certificate (10+2) passed with Science 2. Direct Second Year BCA(Science) a. Three years Diploma course after SSC and its equivalent passed b. Two-year Diploma course after HSC of MSBTE in IT/Computer/Electronics/ and E & T.C are eligible
<b>Admission</b>	On the basis of merit and availability
<b>Course Structure</b>	As per Credit and Semester System (2019 Pattern)

**F.Y.B.C.A. (Science)**

Semester I			Semester II		
1	BCA111	Fundamentals of Computers	1	BCA121	Computer Organization
2	BCA112	Problem Solving and C Programming	2	BCA122	Advanced C Programming
3	BCA113	Applied Mathematics	3	BCA123	Operating Systems Concepts
4	BCA114	Business Communication	4	BCA124	Database Management Systems I

5	BCA115	Fundamentals of Computers Laboratory	5	BCA125	Computer Organization Laboratory Accessibility
6	BCA116	C Programming Laboratory	6	BCA126	Advanced C Programming Laboratory
7	BCA117	Applied Mathematics Laboratory	7	BCA127	Operating Systems Laboratory
8	BCA118	Business Communication Laboratory	8	BCA128	Database Management Systems - I Laboratory

**S.Y.B.C.A. (Science)**

Semester III			Semester IV		
1	BCA231	Data Structures	1	BCA241	Object Oriented Programming and C++
2	BCA232	Database Management Systems – II	2	BCA242	Web Technology
3	BCA233	Computer Networks	3	BCA243	Software Engineering
4	BCA234	Data Structures Laboratory	4	BCA244	C++ Programming Laboratory
5	BCA235	Database Management Systems - II Laboratory	5	BCA245	Web Technology Laboratory
6	BCA236	Computer Networks and Web Programming Laboratory	6	BCA246	Python Programming Laboratory
7		Environmental Science I	7		Environmental Science-II
8		Language Communication - I	8		Language Communication – II

**T.Y.B.C.A.(Science)**

Semester V			Semester VI		
1	BCA351	DSE I (Programming in Java)	1	BCA361	DSE IV (Android Programming)
2	BCA352	DSE II (Data Mining &Data Science)	2	BCA362	DSE V (Programming in Go)

3	BCA353	DSE III (Principles of Operating Systems)	3	BCA363	DSE VI (Software Project Manager Accessibility)
4	BCA354	SEC I (Artificial Intelligence)	4	BCA364	SEC III (Management Information System)
5	BCA355	SEC II (Cloud Computing)	5	BCA365	SEC IV(Content Management System)
6	BCA356	DSE I Laboratory (Programming in Java)	6	BCA366	DSE IV Laboratory (Android Programming)
7	BCA357	DSE II Laboratory (Data Mining)	7	BCA367	DSE V Laboratory (Go Programming)
8	BCA358	DSE III Laboratory (Operating Systems and AI)	8	BCA368	DSE VI (Project Laboratory)

**DSE: Department Specific Elective SEC: Skill Enhancement Course**

**Examination Patterns: - 2019 Pattern**

Theory Semester Pattern of 70+30 Marks : University Exam 70 Marks + Internal 30 Marks (100 M for each Subject)

Practical Semester Pattern of 35+15 Marks : University Exam 35 Marks + Internal 15 Marks (50 M For each Subject)

**\*Syllabus to be declared as per rules and regulations of Savitribai Phule Pune University**