



SHREE SWARAJ EDUCATION SOCIETY'S

# SWARAJ<sup>®</sup> COLLEGE OF COMMERCE AND COMPUTER STUDIES

- Affiliated to Savitribai Phule Pune University •
- NAAC Accredited •

(Affiliation ID: PU/PN/BBA, BCA/303/2008 • Puncode: CAAP013730 • College Code: 854)



## PROSPECTUS



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## SAVITRIBAI PHULE PUNE UNIVERSITY AFFILIATED COURSES

**Bachelor of Business Administration(BBA)**

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**Bachelor of Business Administration (Computer Application)  
(Old B.C.A.)**

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**Bachelor of Commerce (B.Com.)**

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**Bachelor of Science - (B.Sc. - Computer Science)**

## ► VISION & MISSION

**SSES is committed to provide courses that will add an advantage to its students and will remain for their lives we offer:**

- Latest Technology
- Industry Orientation
- Industry Relevant Courses
- Experienced Faculty
- Excellent Infrastructure
- Value Education



### ► VISION

- To be universally respected.
- To inspire students to perform and achieve goals.
- To build a world - class institution that fosters Innovative thinking.
- To be a pioneer institution dedicated to high quality Education and to offer conducive academic environment for various job & business oriented courses.

### ► MISSION

Our mission is to train our students to become professionals who will Uphold the noble values and ethics of the profession.

- To create opportunities this excels in education. Provide a unique culture that fosters creative thinking and encourages them to become pioneers.
- To turn out extra ordinary, competent and conviction driven students & make them assets to industry, society and the country as whole.
- Provide best training to aspiring students facilitating their bright careers & prepare them to meet emerging challenges and opportunities.
- We strive to create and maintain an atmosphere, which looks beyond the confines of established fields, to find problems and their solutions.



**Late Vasant Rameshwar Mitkari**

Founder President

Shree Swaraj Education Society

## ▶ FROM THE PRESIDENT DESK

**Smt. Leela Vasant Mitkari**  
**President**

Shree Swaraj Education Society



Dear Students of Swaraj College,

I welcome you to the platform where you start your starting point of the journey of your career. Whatever dream you look at about your future, your career, we at Swaraj trying our best. Today this edge is digitalized and new technologies, new systems arrive in the market. We provide you the fresh knowledge about all of these. We have a team of qualified faculties who continue support to build your career true. I assured you that if you are positively engaging with us you are definitely seeing a drastic change in yourself.

Once again welcome you.

**Smt. Leela Vasant Mitkari**  
President, Shree Swaraj Education Society

## ► FROM THE SECRETARY'S DESK

**Dr. Babasaheb R. Sangle**  
Secretary  
M.Com., D.H.E., L.L.B., Ph.D.



Dear Friends,

Today the world is undergoing rapid technological innovations and major emphasis is given to research & development in all sectors. It is an excellent challenge for educational institutions to make the students aware of the developments both on the macro & micro levels. This era of specialisations demands the introduction of specialised career courses from universities & institutions. They are also updating their syllabi as per Industries needs on a regular basis. Today's education system must be complemented with regular practical based inputs along with theoretical education.

The experienced and dynamic staff at SSES strives hard to provide quality education coupled with real time practical knowledge. Presently there are ample job opportunities in various established & sunrise sectors such as Manufacturing, IT, ITES, FMCG, Retailing, Pharmaceuticals, Bio-Technology, Hotel & Tourism Management, etc. But there is a huge shortfall of skilled human resources to comply with this demand. Therefore we at SSES are contributing to this demand with more thrust on practical education.

Warm Regards!!

**Dr. Babasaheb R. Sangle**  
Secretary

## ▶ FROM THE PRINCIPAL DESK

**Dr. S. N. Nanaware**  
**Principal**  
M.Com, M.Phil., D.T.L., Ph.D.



It gives me immense pleasure to welcome you to the Swaraj College of Commerce and Computer Studies, Taljai Pathar, Dhankawadi, Pune. The College is NAAC Accredited and aspires to be a center of excellence in its areas of specialization. The college's assets include a team of full-time dedicated qualified faculty members in the relevant subjects, upgraded computer Laboratories, and several facilities to complement the traditional and professional education. Thus this college stands for excellence and continuously sets the highest standards in teaching, learning, research and extension activities.

At the Swaraj College of Commerce and Computer Studies, we value every individual in our care and it is our aim to provide the best possible environment in which the students can succeed

Our Vital infrastructural facilities including ICT enabled teaching resources like Virtual classrooms, smart boards, LCD projectors. Strong community involvement and a commitment to community service through N.S.S. provide each of our students with an avenue for personal growth.

We at the Swaraj College sincerely seek resources that can be used on the ground level, to augment student access and experiences; resources for energizing the student community that enhance the value of education received.

The Swaraj College is a vibrant learning community that encourages a three-way partnership between students, parents and the College. The strength of this partnership is reflected in the success of our students.

I would be pleased to welcome you to this College. We would be delighted to be involved in your academic progress and to foster your values.

Thank you for considering us as the college for your studies. My colleagues and I would be delighted to meet you and support you in making your choice of career. Thank you for your interest in the College.

Warm Regards!!

**Dr. S. N. Nanaware**  
Principal

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## ▶ SHREE SWARAJ EDUCATION SOCIETY

Established in 2007, **SHREE SWARAJ EDUCATION SOCIETY (SSES)**, aimed at imparting high quality education. The selfless work put in by the devoted teachers and staff enabled the **SSES** to carve its own niche in the field of education.

Since its inception, **SSES** has catered to the changing needs of society without compromising on quality and its prime objective. **SSES** has made a fundamental contribution in the fields of Commerce, Management, Information Technology, etc.

The horizons of **SSES** have been widening ever since. **SSES** is striving to make the students more practical oriented and thereby make them capable of facing the challenges in real life confidently.

With the well equipped infrastructure, facilities of information & Communication Technology and a team of dedicated staff, **SSES** is all geared to take on challenges in the era of globalization.

**SSES** is focused on the fulfillment of its vision & mission of imparting world - class contemporary education, which will enable the students to contribute productivity in developing a strong modern world.

We invite you to join and fulfill your dreams of making a very bright and successful career with us.

## ▶ SWARAJ GROUP OF INSTITUTES

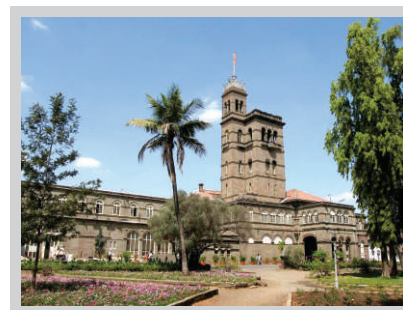
### **SWARAJ COLLEGE OF COMMERCE AND COMPUTER STUDIES (SCCCS)**

(Affiliated to Savitribai Phule Pune University and Recognized by Govt. of Maharashtra)

( • College ID : - PU/ PN/ BBA,BCA/303/2008 )

• PUNCODE : CAAP013730 • COLLEGE EXAM CODE : 0854 • AISHE CODE : C-41454

## ▶ COURSES OFFERED



### Savitribai Phule Pune University Affiliated Courses

- Bachelor of Business Administration (BBA)** **Duration :** 3 Years  
**Eligibility:** 12th Pass with min. 40% marks (English as one the subjects) / MSBTE / Pharmacy Diploma or Equivalent
- Bachelor of Business Administration (Computer Application) (Old B.C.A.)** **Duration :** 3 Years  
**Eligibility:** 12th Pass with min. 40% marks (English as one the subjects) / MSBTE / Pharmacy Diploma or Equivalent
- Bachelor of Commerce (B.Com)** **Duration :** 3 Years  
**Eligibility:** 12th Pass with English or Equivalent
- Bachelor of Computer Science (B.Sc.CS)** **Duration :** 3 Years  
**Eligibility:** 12th Pass Science (Maths as one the subjects) / MSBTE Diploma or Equivalent

## ▶ VALUE ADDED COURSE

- ▶ Gender Sensitivity
- ▶ Value Education
- ▶ Yoga and Meditation
- ▶ Value Education and Gender Equality
- ▶ Digital Marketing

## Bachelor of Business Administration(BBA)

### Objectives:

The course aims at realizing the following objectives :-

- To provide an adequate basic understanding of Management Education Among the students.
- To prepare students to exploit opportunities being newly created in the Management Profession.
- To train the students in communication skills effectively.
- To develop appropriate skills in the students so as to make them competent and provide themselves self - employment.
- To inculcate Entrepreneurship skills.

### Eligibility:

A candidate for being eligible for admission to the Degree course in Bachelor of Business Administration shall have passed the 12th Std. Examination H.S.C. (10 + 2) from any stream with English as a passing subject and has secured min. 40% marks at 12th Std. / Diploma in MSBTE / Pharmacy



**Duration:** 3 Years Full Time Course

**Examination Pattern:** 70:30

### F.Y.B.B.A

Semester I				Semester II			
Course No.	Course / Title of Paper	Course	No. of Credits	Course No.	Course / Title of Paper	Course	No. of Credits
101	Principles of Management	GC	3	201	Business Organization and System	SC	4
102	Business Communication Skills	SC	4	202	Principles of Marketing	GC	3
103	Business Accounting	GC	3	203	Principles of Finance	GC	3
104	Business Economics – Micro	GC	3	204	Basics of cost accounting	GC	3
105	Business Mathematics	GC	3	205	Business Statistics	GC	3
106	Business Demography	SC	4	206	Fundamentals of computers	SC	4
117(K)	Value Education and Gender Equality	SEC	2	217(I)	Yoga and Meditation	SEC	2
G-1	Physical Education		1	G-1	Physical Education		1
					Democracy, Election And Governance		2

### S.Y.B.B.A

Semester III				Semester IV			
Course No.	Course / Title of Paper	Course	No. of Credits	Course No.	Course / Title of Paper	Course	No. of Credits
301	"Principles of Human Resource Management"	3	GC	401	"Entrepreneurship and Small Business Management"	3	GC
302	Supply Chain Management	GC	4	402	"Productions and OperationsManagement"	GC	4
303	"Global Competencies & Personality Development"	GC	3	403	"Decision Making and RiskManagement"	GC	3
304	"Fundamentals of Rural Development"	GC	3	404	"International BusinessManagement"	GC	3
305	Special Subject (MM/HR/FM)			405	Special Subject (MM/HR/FM)		
306	Special Subject (MM/HR/FM)			406	Special Subject (MM/HR/FM)		
307	Basic Course In Environmental Awareness			407	Basic Course In Environmental Awareness		
				417	Certificate Course Marketing Environment		2

### Eligibility for Internship Programme

- The students who have sought admission to the semesters V & VI of T.Y.B.B.A) under Choice Based Credit System need to undergo 'Internship Programme'. The internship programme is compulsory.

### Nature of Internship Programme

- A student has to undergo minimum of sixty hours of practical training in business establishments.

## Bachelor of Business Administration(BBA)

### T.Y.B.B.A

Semester V			
Course No.	Course / Title of Paper	Course	No. of Credits
501	Research Methodology	3	GC
502	"Database Administration and Data Mining"	GC	3
503	Business Ethics	GC	3
504	"Management of Corporate Social Responsibility"	GC	3
505	Special Subject (MM/HR/FM)		
506	Special Subject (MM/HR/FM)		

Semester VI			
Course No.	Course / Title of Paper	Course	No. of Credits
601	Essentials of E - Commerce	3	GC
602	Management Information System	GC	3
603	Business Project Management	GC	3
604	"Management Of Innovations & Sustainability"	GC	3
605	Special Subject (MM/HR/FM)		
606	Special Subject (MM/HR/FM)		

## List of Discipline Specific Elective (DSE) Courses

Select any One group of Electives

(A) Marketing Management (MM)			
Course No.	Course / Title of Paper	Sem	No. of Credits
A305	"Consumer Behaviour & Sales Management"	III	4
A306	Retail Management + Business Exposure	III	4
A405	"Advertising & Promotion Management"	IV	4
A406	"Digital Marketing + (prescribed computer course or online course) "	IV	4
A505	"Marketing Environment Analysis and Strategies "	IV	4
A506	"Legal Aspects in Marketing Management + Project & Viva (50 marks) "	V	4
A605	International Brand Management	VI	4
A606	"Cases in Marketing + Project 50 marks theory + Project & Viva 50 marks (Internship) "	VI	4

(B) Financial Management (FM)			
Course No.	Course / Title of Paper	Sem	No. of Credits
B305	Management Accounting	III	4
B306	"Banking & Finance + Business Exposure "	III	4
B405	Business Taxation	IV	4
B406	"Financial Services + Computer course (prescribed course or online course) "	IV	4
B505	Analysis of Financial Statements	IV	4
B506	"Legal Aspects of Finance & Security Laws + Project & Viva (50 marks) "	V	4
B605	Financial Management	VI	4
B606	"Cases in Finance + Project 50 marks theory + Project & Viva 50 marks (Internship) "	VI	4

(C) Human Resources Management (HRM)			
Course No.	Course / Title of Paper	Sem	No. of Credits
A305	"Consumer Behaviour & Sales Management"	III	4
A306	Retail Management + Business Exposure	III	4
A405	"Advertising & Promotion Management"	IV	4
A406	"Digital Marketing + (prescribed computer course or online course) "	IV	4
A505	"Marketing Environment Analysis and Strategies "	IV	4
A506	"Legal Aspects in Marketing Management + Project & Viva (50 marks) "	V	4
A605	International Brand Management	VI	4
A606	"Cases in Marketing + Project 50 marks theory + Project & Viva 50 marks (Internship) "	VI	4

(D) Services Management (SM)			
Course No.	Course / Title of Paper	Sem	No. of Credits
D305	"Fundamentals of Services Management."	III	4
D306	"Principles & Functions of Services Management + Business Exposure Project"	III	4
D405	"Banking & Insurance Management"	IV	4
D406	"Social Services and NGO Management + Computer Course (Prescribed course or Online course) "	IV	4
D505	Health Care Management	IV	4
D506	"Permissions & Legal Aspects In Services + Project & Viva (50 marks) "	V	4
D605	"Global Tourism & Hospitality Management "	VI	4
D606	"Recent Trends in Services and Project 50 marks theory + Project & Viva 50 marks (Internship) "	VI	4

## ► Bachelor of Business Administration (Computer Application) (Old B.C.A.)

### ► Objectives

The Objective of the Programme shall be to provide a sound academic base from which an advanced career in Computer Application can be developed. Conceptual grounding in computer usage as well as its practical business application, will be provided.

### ► Eligibility:

In order to be eligible for admission to the Bachelor of Computer Applications a candidate must have passed H.S.C. (10+2) from any stream with English as a passing subject with a minimum of 40% marks in aggregate / Diploma in MSBTE / Pharmacy

► **Duration:** 3 Years Full Time Course

► **Examination Pattern:** 70:30



### ► F.Y.B.B.A.-C.A

Semester I			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-101	Business Communication	CC	3
CA-102	Principle of Management	CC	3
CA-103	C Language	CC	3
CA-104	Database Management System	CC	3
CA-105	Statistics	CC	3
CA-106	Computer Laboratory Based on 103 & 104 (2 credits each)	PR	4
1	ADD-On (PPA) (30 Hours)	SEC	2
G-1	Physical Education		1

Semester II			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-201	Organization Behavior & Human Resource Management	CC	3
CA-202	Financial Accounting	CC	3
CA-203	Business Mathematics	CC	3
CA-204	Relational database	CC	3
CA-205	Web Technology HTML-JS-CSS	CC	3
CA-206	Computer Laboratory Based on 204 & 205 (2 credits each)	PR	4
2	ADD-On (Advance C) (30 Hours)	SEC	2
G-1	Physical Education		1
	Democracy, Election And Governance		2

### ► S.Y.B.B.A.-C.A

Semester III			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-301	Digital Marketing	CC	3
CA-302	Data Structure	CC	3
CA-303	Software Engineering	cc	3
CA-304	Angular JS OR PHP	EC	3
CA-305	Big data OR Block Chain	EC	3
CA-306	Computer Laboratory Based on 302, 304 and 305 (2 credits each)	PR	6
"307AECC"	Environment Awareness	AECC	2

Semester IV			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-401	Networking	CC	3
CA-402	Object Oriented Concepts Through CPP	CC	3
CA-403	Operating System	cc	3
CA-404	NODE JS OR Advance PHP	EC	3
CA-405	Project		4
CA-406	"Computer Laboratory Based on 402, 404 (2 credits each)"	PR	
4	ADD-On (30 Hours)	SEC	2



## ▶ Bachelor of Business Administration (Computer Application) (Old B.C.A.)

### ▶ T.Y.B.B.A.-C.A

Semester V			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-501	Cyber Security	CC	3
CA-502	OOSE	CC	3
CA-503	Core Java	CC	3
CA-504	Mongo DB OR Python	EC	3
CA-505	Project	PJ	4
CA-506	Computer Laboratory Based on 503 and 504(2 credits each)		
	Add on Course-IOT(30 Hours)		

Semester VI			
Course No.	Course / Title of Paper	Course	No. of Credits
CA-601	"Recent Trends in Information Technology (Tutorial/Assignment)"	CC	3
CA-602	Software Testing	CC	3
CA-603	Advanced Java	cc	3
CA-604	Android Programming OR Dot Net Framework	EC	3
CA-605	Project	PJ	4
CA-606	Computer Laboratory Based on 603 and 604 (2 credits each)		
	Add on Course-Soft Skills Training		



## Bachelor of Commerce (B.Com.)

### Objectives

The Program's objective shall be to provide a sound academic base from which an advanced career in Commerce can be developed. Conceptual grounding in computer usage and its practical business application will be provided.

### Eligibility:

In order to be eligible for admission to Bachelor of Commerce a candidate must have passed H.S.C. (10+2).

### Duration: 3 Years Full Time Course

### Examination Pattern: 70:30

### F.Y.B.Com.

Semester I				Semester II			
Course No.	Course / Title of Paper	Course	No. of Credits	Course No.	Course / Title of Paper	Course	No. of Credits
111	Compulsory English-I	CC	3	121	Compulsory English- I	CC	3
112	Financial Accounting – I	CC	4	122	Financial Accounting – I	CC	4
113	Business Economics- I	CC	3	123	Business Economics- I	CC	3
114 (A)	Business Mathematics and Statistics – I			124 (A)	Business Mathematics and Statistics – I		
	OR				OR		
114 (B)	Computer Concepts and Application- I	CC	3	124 (B)	Computer Concepts and Application- I	CC	3
115	Banking and finance-I	GEC	3	125	Banking and finance-I	GEC	3
116	Marketing & Salesmanship - I	GEC	3	126	Marketing & Salesmanship - I	GEC	3
117	Any one of the following Language	AEC	3	127	Any one of the following Language	AEC	3
	Additional English/ Marathi				Additional English/ Marathi		
VA5	Value Education	VAC	1	VA5	Gender Sensitivity	VAC	1
	Physical Education	CC	1		Physical Education	CC	1
					Democracy, Election And Governance		

### S.Y.B.Com.

Semester III				Semester IV			
Course No.	Course / Title of Paper	Course	No. of Credits	Course No.	Course / Title of Paper	Course	No. of Credits
231	Business Communication- I	CC	4	241	Business Communication- II	CC	4
232	Corporate Accounting- I	CC	3	242	Corporate Accounting- II	CC	3
233	Business Economics - I (Macro)	CC	3	243	Business Economics -II (Macro)	CC	3
234	Business Management - I	CC	3	244	Business Management - II	CC	3
235	Elements of Company Law- I	GEC	3	245	Elements of Company Law- II	GEC	3
236	"Special Course Paper- I	DSE	4	246	"Special Course Paper- I	DSE	4
	(Any One)				(Any One)		
	A) Marketing Management				A) Marketing Management		
	OR				OR		
	B) Banking and Finance"				B) Banking and Finance"		
239	Environmental Awareness	AECC	2	249	Environmental Awareness	AECC	2

## ▶ Bachelor of Commerce (B.Com.)

### ▶ T.Y.B.Com.

Semester V				Semester VI			
Course No.	Course / Title of Paper	Course	No. of Credits	Course No.	Course / Title of Paper	Course	No. of Credits
351	Business Regulatory Framework - I	CC	4	361	Business Regulatory	CC	4
352	Advanced Accounting - I	CC	3				
353	"Indian and Global Economic Development - I"	CC	3	362	Advanced Accounting - II	CC	3
354	Auditing & Taxation - I	CC	3	363	"Indian and Global Economic Development - II"		
355	"Special Course Paper- II (Any One)"	DSE	4		CC	3	
	A) Marketing Management	OR		364	Auditing & Taxation - II	CC	3
	B) Banking and Finance"			365	"Special Course Paper- II (Any One)"		
356	"Special Course Paper- III (Any One)"	DSE	4		A) Marketing Management OR		
	A) Marketing Management	OR			B) Banking and Finance"	DSE	4
	B) Banking and Finance"			366	"Special Course Paper- III (Any One)"		
	Internship Programme	CC	2		A) Marketing Management OR		
					B) Banking and Finance"	DSE	4
					Internship Programme	CC	2

#### Eligibility for Internship Programme

- The students who have sought admission to the semesters V & VI of T.Y.B.Com) under Choice Based Credit System need to undergo 'Internship Programme'. The internship programme is compulsory.

#### Nature of Internship Programme

- A student has to undergo minimum of sixty hours of practical training in business establishments.



## Bachelor of Science - (B.Sc. - Computer Science)

### Objectives

The Objective of the Programme shall be to provide a sound academic base from which an advanced career in Computer Science can be developed. Conceptual grounding in computer usage, as well as its practical business application, will be provided.

### Eligibility:

In order to be eligible for admission to Bachelor of Computer Science a candidate must have passed H.S.C. (10+2) from Science with Maths as a passing subject.

### Duration: 3 Years Full Time Course

### Examination Pattern: 35:15



### F.Y.B.Sc. (Computer Science)

Semester I			
Course type	Paper Code	Paper title	Credits Th/PR
CC-I	CS-111	Problem Solving using Computer and 'C' Programming	2
	CS-112	Database Management Systems	2
	CS-113	Practical course based on CS101 and CS102	1.5
CC-II	MTC- 111	Matrix Algebra	2
	MTC-112	Discrete Mathematics	2
	MTC-113	Mathematics Practical	1.5
CC-III	ELC-111	Semiconductor Devices and Basic Electronic Systems	2
	ELC -112	Principles of Digital Electronics	2
	ELC-113	Electronics Lab IA	1.5
CC-IV	CSST-111	Descriptive Statistics I	2
	CSST- 112	Mathematical Statistics	2
	CSST113	Statistics Practical Paper I	1.5
G-1	Physical Education		1

Semester II			
Course type	Paper Code	Paper title	Credits Th/PR
	CS-121	Advanced 'C' Programming	2
CC-V	CS-122	Relational Database Management Systems	2
	CS-123	Practical course based on CS201 and CS202	1.5
CC-VI	MTC- 121	Linear Algebra	2
	MTC-122	Graph Theory	2
	MTC- 123	Mathematics Practical	1.5
CC-VII	ELC-121	Instrumentation System	2
	ELC-122	Basics of Computer Organisation	2
	ELC- 123	Electronics Lab IB	1.5
CC-VIII	CSST121	Methods of Applied Statistics	2
	CSST122	Continuous Probability Distributions and Testing of Hypothesis	2
	CSST123	Statistics Practical Paper II	1.5
G-1	Physical Education		1
	Democracy, Election And Governance		2

### S.Y.B.Sc. (Computer Science)

Semester III			
Course type	Paper Code	Paper title	Credits Th/PR
CC-VIII	CS 231	Data Structures and Algorithms - I	2
	CS 232	Software Engineering	2
	CS-233	Practical course on CS 231 and CS 232	2
CC-IX	MTC- 111	Mathematics - I	2
	MTC-112	Mathematics - II	2
	MTC-113	Mathematics Practical	2
CC-x	ELC-111	Electronics - I	2
	ELC -112	Electronics - II	2
	ELC-113	Practical course in Electronics	2
AECC-I	CSST-111	Environment Science - I	2
AECC-II	CSST- 112	Language Communication - I	2

Semester IV			
Course type	Paper Code	Paper title	Credits Th/PR
	CS-241	Data Structures and Algorithms-II	2
CC-XI	CS-242	Computer Networks - I	2
	CS-243	Practical course on CS 241 and CS 242	2
CC-XII	MTC- 121	Mathematics - I	2
	MTC-122	Mathematics - II	2
	MTC- 123	Practical course in Mathematics	2
CC-XIII	ELC-121	Electronics - I	2
	ELC-122	Electronics - II	2
	ELC- 123	Practical course in Electronics	2
AECC-I	CSST121	Environment Science - II	2
AECC-II	CSST122	Language Communication - II	2



## ▶ Bachelor of Science - (B.Sc. - Computer Science)

### ▶ T.Y.B.Sc. (Comp. Sci)

Semester V			
Course type	Paper Code	Paper title	Credits Th/PR
DSEC - I	CS-351	Operating Systems - I	2
	CS-352	Computer Networks - II	2
	CS-357	Practical course based on CS501	2
DSEC - II	CS-353	Web Technologies - I	2
	CS-354	Foundations of Data Science	2
	CS-358	Practical course based on CS503	2
DSEC - III	CS-355	Object Oriented Programming - I	2
		(Core Java)	
	CS-356	Theoretical Computer Science and Compiler Construction - I	2
	CS-359	Practical Course based on CS505	2
AECC-I	CS-3510	Python Programming / R Programming	1
AECC-II	CS-3511	Open Elective	1

Semester VI			
Course type	Paper Code	Paper title	Credits Th/PR
DSEC - IV	CS-361	Operating Systems - II	2
	CS-362	Software Testing	2
	CS-367	Practical course based on CS601	
DSEC - V	CS-363	Web Technologies - II	2
	CS-364	Data Analytics	2
	CS-368	Practical course based on CS603 and CS604	
DSEC - VI	CS-365	Object Oriented Programming-II (Advanced Java)	2
	CS-366	Theoretical Computer Science and Compiler Construction - II	2
	CS-369	Practical Course based on CS605	
SECC - III	CS-3610	"Mobile Application Development OR Software Testing Tools"	1
SECC - IV	CS-3611	Project OR Open Elective	1

### ▶ Career Opportunities :

Enhance your computing, analytical and problem solving skills, using and developing emerging technology-focusing on your future

#### Quality :

Choose from a suite of pioneering B.Sc. Computer science qualifications, which have been created by SPPU, Pune

#### Tutor Support :

All student receive tutor guidance and feedback while studying for one of the B.S.c. Computer Science degrees. If you register in our college you'll attend roceto-face classes and additional support

#### A Mark of excellence :

You'll gain oprestigious qualification that is recognised worldwide

#### Join the world class :

When you graduate you become part of our global network of in influential alumni, which includes leoders in industry

## ► Add on Credit Compulsory for all Courses

- Students has to earn additional 08 credits from the following groups
- Courses in Group 1 and Group 2 are compulsory (02 Credits Each)
- The student has to earn the remaining 04 Credits through participation in the various activities from Group 3 to Group 10

Group	Activity	Credits
1	<b>Physical Education</b>	
	F.Y. (Sem-I)	01
	F.Y. (Sem-II)	01
	Note : Group 1 is compulsory for all the students as stated above	
2	<b>DEMOCRACY, ELECTIONS AND GOOD GOVERNANCE</b>	<b>02</b>
	F.Y. (Sem-III)	
	Note : Group 2 is compulsory for all the students as stated above	
3	<b>Sports Representation :At College Level</b>	<b>01</b>
	State / University / National Level	02
4	<b>NSS / NCC related</b>	
	NSS / NCC - Participation in Annual Camp	01
5	<b>Avishkar Participation</b>	
	College level	01
	University Level/State Level	02
	Participation in extension activity of College	01
	Participation in Cultural activity of College	01
6	<b>Research Paper Presentation</b>	
	State /National level	01
7	Participation in Summer school (minimum 30 hours)	Maximum
	or	02
	Short term course (minimum 30 hours)	Maximum
		02
8	Scientific survey / Societal survey	02
9	Field Visit / Study Tour / Industrial visit / Participation in curricular competition / co-curricular competition	01
10	Online Certificate course / MOOCs (minimum 15 hours per credit)	Maximum
	or Internship (60 hrs)	04 credits

## ► SCHOLARSHIP AND FREE-SHIPS

### ► 1 Maharashtra Government Scholarship for Backward category / Minority students

#### Eligibility:

1. Reserved Category
2. **A. For Scholarship :-**  
The Annual Income of parents is less than Rs. 2,00,000/-
- B. For Free Ship :-**  
The Annual income of parents is more than Rs. 2,00,000/-



#### DOCUMENT LIST FOR MAHADBT E-SCHOLARSHIP

- Student Must Fill Online Scholarship Form on <https://mahadbtmahait.gov.in/> this link. To apply Scholarship Students must have following documents. Student should Fill online form & Upload all required original documents within given time. After Online form filling student must submit hard copy form with document to the college office

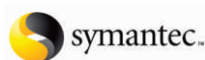
- |   |  |
|---|--|
| 1. Passport Size 2 Photo.                         | 7. Parents Annual Income Certificate.                                  |
| 2. Domicile Certificate of Student. (Maharashtra) | 7(i) If Married Student, Husband's Income Certificate Should Be Given. |
| 3. Mark sheet. (10th (ssc) and 12th (hsc)         | 8. Gap certificate.*   |
| 4. Addhar (UID) Card. (link with mobile no.)      | 9. Bank passbook.  |
| 5. Leaving/Transefer Certificate.                 | 10. Adar Card link bank account slip.                                  |
| 6. Student Caste Certificate.                     | 11. self declaration form  |
|   | (* If applicable)  |

#### ► Terms and Conditions

- 1) For all government concessions students will be required to submit their applications in prescribed form and other essential documents within 30 days from the date of admission to their college.
- 2) All students entailed to government concession shall be admitted on payment of concessional fees. In case government concession is not awarded, these students will have to pay the remaining fees immediately.

### ► 2 Savitribai Phule Pune University Scholarship

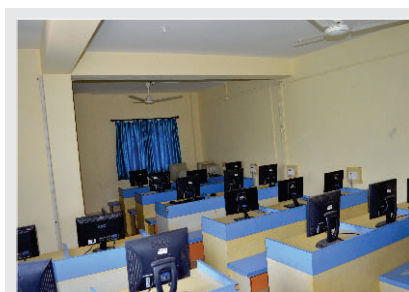
## ► We Provide placement - Campus Interviews Our Student's working with



& Many More...

## ► INFRASTRUCTURE

- **Campus :** Pune being an Industrial Capital is now emerging as an Educational Capital of India. The ultramodern campus of Swaraj is located in the heart of the City in the Dhankawadi area. The location is easily accessible by Road & Rail transport.
- **Administrative Office :** College has a pleasant reception cum help desk which enables students to solve their queries and problems.
- **Class Rooms :** The classrooms are spacious & pleasant with comfortable sitting arrangements and are well equipped with the modern teaching aids.
- **Dedicated Internet & Advanced Computer Lab:** Computer Lab consists of PCs with the latest configuration and is provided with the broadband Internet Connection. All the PCs are connected to Video-Satellite which enables students to attend the online classroom sessions of nationally & internationally recognised professors.
- **Digital Library :** Library is well stocked a huge database of Indian & international books. The Library has a classic collection of journals, references, periodicals, CD's, DVD's, and business magazines. SSES is committed to provide all the latest information on the corporate sector across the globe.
- **Reading Hall:** Spacious reading hall is provided with news papers, educational magazines, etc.
- **Online Lectures :** Conducted online lectures



## ▶ BEYOND THE CLASSROOM

### ▶ **Industrial Visits**

It has always been our endeavor to ensure overall the development of every student through better practical exposure and training in the latest work trends. We regularly organize industrial visits to our students to leading companies, organisations, MNC's etc.

### ▶ **Cultural Events**

Our students actively participate in various programs like the traditional day, the cultural day, etc. Students celebrate our tradition and various cultural activities with great enthusiasm.

### ▶ **Sports and Fun Activities**

Students at SSES are not only focused on academic activities but also enjoy other aspects of life through indulging in sports, treks, outings and fun activities.

### ▶ **Training of English & Foreign Languages**

In today's global economy, learning English and foreign languages such as French, German, Japanese etc. is very important. College provides compulsory training in English and one of the foreign languages.

### ▶ **Personality Development Sessions**

To succeed in today's hospitality industry, grooming a complete personality is of utmost importance. We focus on students overall personality development through various personality development sessions by experts in the area. We also train students for Group discussions and Interview skills so as to enable the students to face the interview with confidence.

### ▶ **Social causes**

Associating with social causes exposes our students to the importance of being socially aware corporate citizens. Participation and organization of such activities is a regular feature at the college.

### ▶ **Workshop**

Workshop and seminars are a good way to increase student awareness and also help interaction with the industry. Workshops on a wide array of topics are organized to honour our commitment of overall development of every student.

### ▶ **Field Work/Summer Project**

Students are send to leading corporate, MNC's etc. for training in their different departments.

### ▶ **Computer Training**

All the students of SSES have to go through compulsory computer training which enables them to acquire the required IT skills

### ▶ **Anti Sexual Harassment:**

Complaints if any, related to eve-teasing, use of obscene language unparliamentary behaviours with either sex (both staff and students) are addressed by the cell.

### ▶ **Grievance cell**

Grievance cell is constituted to address students' concerns and their grievances.

### ▶ **Special Prizes:**

Every year we honor those students who bring fame to our college by their excellent performance in Studies, Sport and other Co-curricular activities. We also honor the best student who work for social activity. Ranking students are also honorable for us.



## SAVITRIBAI PHULE PUNE UNIVERSITY SCHEMES

### Earn and Learn Scheme:

This is a novel scheme introduced by the college with the help of the student's welfare section of Savitribai Phule Pune University. The Scheme supports monetarily to the poor and needy students.

### Special Guidance Scheme:

The basic objective of this scheme is to help those students who are deprived of the latest knowledge of the subject they undertake at the first year level.

### Personality Development / Nirbhay Kanya Abhiyan

The basic objective of this scheme is to develop the confidence and personality of a lady student who comes from the rural areas and are deprived sections of society.

### National Service Scheme (NSS)

NSS is an extension dimension to the higher education system to orient the student youth to community service while they are studying in educational institutions. It is being implemented by the Ministry of Youth Affairs and Sports, Government of India. The motto of NSS is 'NOT ME BUT YOU'.



## करिअर कट्टा

महाराष्ट्र राज्य उच्च व तंत्र शिक्षण विभाग आणि महाराष्ट्र माहिती तंत्रज्ञान सहाय्यता केंद्र यांच्यामार्फत करिअरकट्टाचे आयोजन करण्यात आले आहे. याअंतर्गत IAS आपल्या भेटीला आणि उद्योजक आपल्या भेटीला या दोन उपक्रमांचे आयोजन करण्यात आले आहे.

IAS आपल्या भेटीला या उपक्रमांतर्गत दिल्ली, मुंबई तसेच भारतामध्ये कार्यरत असलेल्या प्रशासकीय अधिकाऱ्यांचे मार्गदर्शन स्पर्धा परीक्षांची तयारी करत असलेल्या विद्यार्थ्यांसाठी उपलब्ध करण्यात आलेला आहे. उद्योजक आपल्या भेटीला या उपक्रमांतर्गत ज्या महाविद्यालयीन युवकांना स्वतःचा उद्योग व्यवसाय सुरू करायचा आहे, त्यांचे उद्योजकीय कौशल्य वाढीस लागण्यासाठी राष्ट्रीय आणि आंतरराष्ट्रीय पातळीवर चालू असलेल्या विविध संकल्पनांची ओळख विद्यार्थ्यांना करून देण्यात येणार आहे. या उपक्रमात विविध बँकांचे अधिकारी, प्रशासकीय विभागाचे अधिकारी तसेच अनेक तज्ञांचे मार्गदर्शन विद्यार्थ्यांना लाभणार आहे. सर्व विद्यार्थ्यांनी सदर उपक्रमाचा लाभ घ्यावा.

अधिक माहितीसाठी लिंक वापरा : <https://careerkatta.mitsc.co.in/>



## Online Admission Process



- 1) Filling out the Online Admission form does not confirm admission to the college (DO NOT SEND ADMISSION FORM, Cheques, DD or Online payments by post or courier)
- 2) Print out of the admission form should be checked and approved by the admission Committee and college authorities.
- 3) The fees should be paid by Cash or Cheque / DD Principal, Swaraj College Commerce and CS only after verification by college authorities.
- 4) Once the admission is confirmed by the admission committee OR by Merit list then, only one should fill and take a printout of the admission form and Pay the fee for completing the admission process.
- 5) As far as possible fill all the information in correct form, and upload a latest passport size good quality photograph, which will appear on the Identity Card.

# ▶ ADMISSION PROCEDURE

## → Guideline to fill Online Admission form

- 1) Keep a soft copy of your good quality passport size photograph ready, for your email ID , Parents e-mail ID etc , before filling online admission form.
- 2) Go to the Swaraj College Website <http://www.swarajcollege.in>
- 3) Click on Online Admission icon on right hand side corner. Read the instructions carefully.
- 4) Click the link provided <http://swaraj.vriddhionline.com>
- 5) Click on New student, complete the process of new the student registration process by providing necessary inputs and register yourself for getting a login ID.
- 6) You will receive your login ID and Password on your mobile as well as by email.
- 7) Then login with your login ID and password set by you. Fill out the Online form step by step and you can edit it afterward also.
- 8) Also FILL SUBJECTS YOU WANT TO TAKE PROPERLY.
- 9) Download the Admission form, take a printout and approach to admission committee in college for further admission process.

Admissions are provisional and are subjected to the approval of the Savitribai Phule Pune University. Every Selected student should follow the code of conduct, prescribed by the college and the Government.

The candidates have to upload their relevant documents through the Online Application Portal

If any discrepancy is found at the time of Certificate Verification, your admission stands cancelled

At the time of admission candidates need to show their original certificates

Only after approval of admission by the concerned Heads of the Department (HOD) and the Principal, Verification of the original certificates and Payment of fees, the candidate will be admitted to the Course.

## ▶ The Student has to obtained the Admission Form in prescribed format in Course Prospectus.

## ▶ Documents Required

For Admission students are advised to keep with 3 photocopies of their original certificates and also a scanned copy of the same.

For Admission are requested to bring the following documents with two photocopies at the time of Certificate Verification.

## ▶ For Admission

- |  |                                |
|--|--------------------------------|
| 1. Passport Size 2 Photos  | 5. GAP Certificate*            |
| 2. 12th Mark Statement(Original)                                   | 6. Caste Certificate*          |
| 3. Leaving Certificate (Original)/ Transfer Certificate (Original) | 7. Migration Certificate *     |
| 4. Aadhaar Card  | 8. Parent Income Certificate * |
|  | (* If applicable)              |

## ▶ MAHADBT SCHOLARSHIP:

Eligible Student Must Fill Online Scholarship Form at <https://mahadomahat.gov.in/> link. (Page No. 19)

## Selection Procedure

The admissions are strictly based on merit, written test (where as applicable), and personal interview and on first come first serve basis. Interested candidate should fill up form in block letters, indicating the required course along with the relevant documents as indicated above. Incomplete applications will be rejected.

## Registration and Admission fees

Admission for degree courses will be confirmed only after the receipt of admission form duly filled in all respect along with the original documents and after payment of registration fees of 10,000/- either in cash or by demand draft in favor of "**Principal, Swaraj College of Commerce and CS**" payable at Pune and the balance payment can be made before starting the course. A registration fee is part of the total fees and is non-refundable.

## ▶ Note:

The management reserves the rights to change policies, systems and procedure, requirement of accepting / Cancelling without prior notice admissions.

## ▶ RULES FOR ADMISSION

- Student has to obtain the admission form in prescribed format from college office or online website of the college - [www.swarajcollege.in](http://www.swarajcollege.in) student must follow, to disciplinary jurisdiction of the authorities of the college and shall observe and abide by the rules made by the Principal of the college.
- Student should aware of the responsibilities and duties of as student. I am prepared to work in any establishment where I am placed for practical exposure and on the job training. I shall always follow the rules and regulations set by the college and abide to the disciplinary standards of the organization.
- Student shall abide to all the hygiene and safety standards while in the college premises or outdoor.
- Student shall aware that I cannot change course enrollment in, and case I want to change the course I shall pay the total fees of the course enrolled for, and I am also aware that such transfer is possible only when the seat for courses sought is available.
- Student should aware that once I take admission for the said course, I am liable for the payment of the total course fees.
- Students aware that once paid will not be refundable for any reason what so ever.
- All disputes are subject to Pune Jurisdiction only.
- Students will attend the lectures, tutorial classes, periodical examination and test regularly.
- Students undertake to attend not less than three fourth of the number of working period in each of the subject to comprised in the course from now and that I shall not be eligible to appear for the examination if I fall short of attendance beyond the condonable limit.
- Students will produce the original Marks Sheets /migration certificate/ L.C./ T.C. / Gap Certificate (if Applicable) at the time of admission failing which I shall not be admitted to the college.

## ▶ REFUND OF FEES

### → Terms and Conditions

The candidates canceling their admissions will be entitled to receive the refund of tuition fees, development and other fees after deducting the amount as indicated by the State Government or Savitribai Phule Pune University. All refunds will be made through NEFT / RTGS or by cheque only. No cash will be given. If a student withdraws admission, he/she will be given refund of fees as per SPPU rules, vide SPPU circular No. PGS/676 dated 28/02/2020.

SR. No	Percentage of Refund Fees *	Point of time when notice of admission is received in the Institute.
1.	100 %	Within 10 days from the date of admission taken by the student concern
2.	90 %	After 10 days and before 15 days from the date of admission taken by the student concern
3.	80 %	After 15 days and before 20 days from the date of admission taken by the student concern
4.	50 %	After 20 days and before 30 days from the date of admission taken by the student concern
5.	00 %	After 30 days from the date of admission taken by the student concern

Admission form Registration and processing fee Rs.55/- is directly deposited in to the bank account of Vriddhi Software account and is not refundable on cancellation of admission.

#### Refund of Fees :

1. Students are advised to preserve their receipt of deposit carefully and submit it to the college along with the application for claiming the refund.
3. After the expiry of the one-year period, the unclaimed fees of all students will be forfeited and no claim under any circumstances will be entertained.
4. No application for refund of Fees will be entertained without the Fees Receipt.

## ► Rules & Regulations

- Students should be regular and punctual in attending classes, tutorials and submissions of the teamwork in various subjects. Terms shall not be granted and a student shall not be certified for examination if his progress conduct and attendance is as per the University norms.
- Smoking, drinking (alcohol) and the use of "Drugs" are strictly prohibited in the premises of the college.
- Any changes in the address of the student must be intimated by him / her in writing to the college office immediately.
- A Student must carry Identity Card signed by the principal and produce the same whenever asked by the institute Authorities. Without identity card, students will not be allowed to enter the premises and will be strictly dealt with.
- A student is expected to read the notices put up on the notice board of the college. The college accepts no responsibility for loss of any advantage by student due to his failure to read the notice in time.
- In case the student remains absent for some reason, he will be required to take the prior permission of the principal.
- A student shall not go to the press or any other publicity media without permission of the Principal.
- The students must pay for any damage to the college's property, apparatus, furniture, equipment, library books, and building etc. immediately.
- A student will be bound by the rules and regulations framed by the college from time to time.
- No student will be allowed to appear for the University examination unless he / she has paid his / her dues and completed his / her journals and has satisfactory attendance.
- All the students must attend the classes in decent uniform prescribed by the college on all instructed days.
- Fees once paid will not be refunded under any circumstances.
- The student should take outmost care and refrain from doing things which may lead to such accidents or mishaps.
- To safeguard their interests, all students must ensure that adequate Personal Accident Insurance covers them. College will not be responsible for settling the claims.
- Loud talking, loitering, smoking or congregating in the premises and disturbing the laboratory and classes should be totally avoided. Students found indulging in these will be severely dealt with.
- A student having not brought the required equipment, journals etc. may be refused admission to lectures and laboratory and may be marked absent for a day.
- The attendance of the day will be only given if the student has attended all the lectures and practicals for a day. A minimum of 90% attendance in each subject, theory / practicals prescribed by University of Pune / MSBTE / college etc.,
- Failed students will be allowed to appear for the examinations as per the rules laid down by the respective authorities such as Savitribai Phule Pune University / UGC / college etc.
- It will be entirely the responsibility of the parents / guardian to keep themselves closely in touch with the progress of their son/daughter/ward.
- Students are expected to observe cleanliness in the premises all the times.
- Wherever rules are silent, decision of the management council of the Trust will be final
- Student will be responsible for any loss or damage of books / magazines / CDs, etc. borrowed from college library & will have to pay the cost of the damaged items
- Use of Mobile Phones are strictly Prohibited in Classrooms.
- Medical Examination is compulsory for First Year and Hostelite student's.
- All Disputes are Subject to Pune Jurisdiction only.

## ► Anti Ragging Measures

Ragging of any kind is strictly prohibited and punishable. Students indulging in Ragging would be punishable ranging from fines and warning to filing an F.I.R. and restriction of the culprits depending on the severity of the act of ragging which would be determined by the inquiry conducted by the anti ragging committee in conclusion by the management.

Students can make a written complaint on any sort of ragging and submit it to the principal's office.

**Ragging is a CRIME**



Anti-Ragging Helpline No. : 1800-180-5522 (Toll Free)  
Anti-Ragging E-mail : [helpline@antiragging.in](mailto:helpline@antiragging.in)

**Swaraj College Principal - 020 - 24360333**  
**Police - 100 Dhankwadi Police Station - 020 - 24363598**

स्थापना : २००७  
श्री स्वराज एज्युकेशन सोसायटीचे  
स्वराज कॉलेज ऑफ कॉमर्स अँड कॉम्प्युटर स्टडीज  
(महाराष्ट्र शासन व सावित्रीबाई फुले पुणे विद्यापीठ मान्यताप्राप्त)  
सर्वे नं.३, तळजाई पठार, धनकवडी, पुणे - ४११ ०४३



SHREE SWARAJ EDUCATION SOCIETY'S

## SWARAJ COLLEGE OF COMMERCE AND COMPUTER STUDIES

S. No. 3, Taljai Pathar, Dhankawadi, Pune - 411 043. MS INDIA

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• E-mail : swarajcollege@gmail.com • Website : www.swarajcollege.in