



# SOLAPUR UNIVERSITY, SOLAPUR

"B" Grade Accredited by NAAC with CGPA – 2.62

## PROSPECTUS

**B. B. A., B. C. A. and B. Sc. (ECS) Courses**

**2017-18**



## MESSAGE FROM VICE-CHANCELLOR'S DESK



Dear students, I would like to extend my hearty welcome to all those of you seeking admission to the various Graduate Programmes of Solapur University, Solapur.

Every university has a culture that develops with time as university matures. In all diversity, however, there is one common view, to aim for academic excellence. With this as a motivating energy, and with the availability of resources, any institution can accomplish the goal of providing the best education, and producing the best engineers, scientists, artists, scholars and above all responsible future citizens.

Solapur University is young (Established on 01-08-2004); received 2F and 12B recognition from UGC, New Delhi in 2013; as well as NAAC accreditations with 'B' grade having CGPA 2.62 in 2015; and is developing with commitment to competitive, professional quality & Academic excellence in higher Education and Research-Development in emerging areas. We have talented dedicated faculties & researchers mentoring the younger generation students. They impart application oriented skills at par with International standards, so as to meet the challenges of Global scenario in innovative, professional job oriented courses. In order to promote excellence in study and research and to ensure equitable development we encourage and equip the aspiring students to succeed in their studies. The University provides a platform for enhanced research interaction with various research and academic institutions; the faculty and students to get publications in top ranked journals. Our goal is to achieve perfection & nurture innovative ideas.

I would like to remind that, University can grow if it meets its social obligations. Solapur University is conscious about its social responsibilities. We always plan to have updated new dynamic and competitive programs / courses & syllabi. We shall, with the involvement of all the stakeholders, namely students-parents, teaching faculty, Non-teaching staff, College Principals and Managements, Authorities of various bodies, Government-State & Central, UGC, New Delhi; Industries and Chamber of Commerce; and the People of the Society; try our best in this endeavor, providing best physical infrastructure facilities; using recently approved Rs.7 corers grants from UGC and Rs. 20 corers from RUSA.

Solapur University desires to take knowledge to common people in rural areas; for all inclusiveness society. The University is committed to encourage individuals from socially challenged sections namely SC, ST, minorities, NT, OBC, EBC, women, physically challenged students thereby increase the GER and quality in higher education. Again the University aspires academic integrity, intellectual and critical abilities and to build student competencies. The University aims for the holistic development of the students with a motto of "Vidyaya Sampannatta". Solapur University has placed it's bet on the education of youth as it is the best possible investment in it's human resource for a society/country; thereby achieving 'Make in India'.

It is my pleasure to welcome you to Solapur University and invite you to embark on a life time partnership with your university; inculcating an atmosphere of belonging and togetherness among all affiliated colleges. These are some initial thoughts and teaching-learning together for each other's good can be limitless.

With Best Wishes.

PROF. (DR.) N. N. MALDAR  
VICE-CHANCELLOR

**SOLAPUR UNIVERSITY, SOLAPUR.**

**INFORMATION BROCHURE**

BBA/BCA/B.Sc. (Entire Computer Science) Admissions 2017.

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## **1. About Solapur:**

The Solapur District was ruled by various dynasties such as Andhrabhratyas Chalukyas, Rashtrakutas, Yadavas and Bahamanis. Recent research work, however, shows that the name SOLAPUR is derived not from the congregation of sixteen villages, but it is evident from the inscriptions of Shivayogi Shri. Siddheshwar from the time of the Kalchuristi's of Kalyani, that the town was called 'Sonnalge' which came to be pronounced as 'Sonnalagi'; the town was known as Sonnalagi even upto the times of Yadavas. A Sanskrit inscription dated Shake 1238, after the downfall of the Yadavas found at Kamati in Mohol shows that the town was known as Sonalipur. One of the inscriptions found in Solapur fort shows that the town was called Solapur while another inscription on the well in the fort shows that it was known as Sandalpur. Subsequently British rulers pronounced Solapur as Sholapur and hence the name of the district. In the recent times Solapur is famous for its chadder, handloom and horticulture industries. Pandharpur - A famous pilgrimage centre is in Solapur District. Good number of Engineering, Agricultural, Architectural, Medical and Traditional institutions of national fame is located in and around the city. Solapur is a home of religious saints of various languages as the district is at a triple junction of linguistic states of Andhra Pradesh, Karnataka and Maharashtra.

## **2. About University:**

Solapur University was established on 1st August 2004 and was inaugurated on 03-08-2004 by the Governor of Maharashtra. The formation of the university at Solapur was a long cherished desire of the people of this region. Earlier, to the formation of University, Solapur had a P.G. Centre of Shivaji University for over two decades. The centre for P.G. studies had three postgraduate science departments and 7 postgraduate courses conducted in the P.G. departments. With this sound background Solapur University has been established to cater the needs of over 60,000 students' community. The university is poised for an ambitious growth. The University is now a hub of various academic activities. Solapur is secular and metropolitan to its core. The said backdrop makes the University stands for transcendent principles and embodying noble mission. It is a small team yet progressive and forward-looking. Perched on a plateau, the Solapur University is a citadel of higher learning.

Solapur University has introduced the concept of school system and has various departments under umbrella of various schools, viz. 1) School of Chemical Sciences 2) School of Computational Sciences, 3) School of Earth Sciences, 4) School of Physical Sciences, 5) School of Social Sciences 6) School of Education 7) School of Commerce and Management. To cater the needs of the academic information, the University has a full-fledged (fully developed) library housed in the premises measuring nearly 400sq.meters.

In last thirteen academic years the University has delight of various distinctions. Student & staff have completed their academic commitment. It is a landmark to state that the university has successfully conducted its examinations and has declared results in record time. Student's welfare department has conducted successfully its council elections, youth festivals and insurance scheme etc. activities. Further, students have bagged medals at state and national youth festivals and sports events. The varsity has strong NSS & NCC units.

Teachers & Students have a great zeal in academic activities. They had participated in national and international seminars and presented research findings. A few of the teachers had the pride of chairing the technical sessions. Solapur University is not far behind in educational policy matters. Its team has formulated quality improvement guidelines for Ph.D in the state of Maharashtra. The staff is truly dedicated and has national credibility hence have received R & D funds for execution of the

projects. Sholapur's people's participation is note worthy. Solapur University is only of its kind to receive Rs. 1.3 crores from Municipal Corporation for a multipurpose classroom complex.

Solapur University has decided to conduct centralized admission process for BBA / BCA & B.Sc.(ECS) at University Level from the academic year 2008-09. The details about the process to be followed for admission to BBA/BCA/B.Sc.(ECS) for the academic year 2017-2018 is given in this INFORMATION BROCHURE.

### **3. COURSE STRUCTURE**

#### **A) BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.) Semester System**

##### **1. General objectives of the course:**

- (i) To provide adequate basic understanding about Management Education among the students.
- (ii) To prepare students to exploit opportunities created in the management Profession.
- (iii) To train the students in communication skills effectively for business purpose.
- (iv) To develop appropriate business skills in the students.
- (v) To make the students competent for providing themselves self-employment.
- (vi) To inculcate Entrepreneurial skills.

##### **2. Duration:**

It shall be a three years full time course.

##### **3. Pattern:**

Pattern of examination will be of semester system.

##### **4. Eligibility for Admission:**

- (i) A candidate for being eligible for admission to the Degree course in Bachelor of Business Administration shall have passed 12th Std. Examination (H.S.C. 10+2) from any stream
- (ii) Two years Diploma in Pharmacy after H.S.C., Board of Technical Education conducted by Government of Maharashtra or its equivalent.
- (iii) Three Year Diploma Course (after H.S.C., i.e. 10th Standard) of Board of Technical Education conducted by Government of Maharashtra or its equivalent.
- (iv) MCVC
- (v) A candidate has to appear for a common entrance test to be conducted by University or respective college for getting admission to this course.

1 Percentage at HSC –	100
2. Percentage at entrance –	100
	-----
	200

The merit list will be prepared on the basis of percentage of HSC and percentage at entrance examination. Students will be admitted on the basis of Merit list.

The B.B.A. Examination will be 3600 marks divided into 3 parts as per details given below:

- (i) B.B.A. Part I (Sem I, II) Aggregate marks 1200
- (ii) B.B.A. Part II (Sem III, IV) Aggregate marks 1200
- (iii) B.B.A. Part III (Sem V, VI) Aggregate marks 1200

### 5. Credit and Grading System

With the view to ensure worldwide recognition, acceptability, horizontal as well as vertical mobility for students completing under graduate degree, the Solapur University is implementing Credit and grading system of Evaluation at Undergraduate level.

Credit is a numerical value that indicates student's work load (Lectures, Lab work, Seminars, Tutorials, Field work, etc.) to complete a course unit. In most of the universities 15 contact hours constitute one credit. The contact hours are transformed into Credits. As per present norms, there are 4 contact hours per paper (subject) per week which works out to be 60 contact hours per paper (subject) per semester.

In Solapur University, for B.B.A-I, there are 6 compulsory subjects and each subject has 4 contact hours per paper (subject) per week. Therefore, total contact hours per week are 24.

Moreover, the grading system of evaluation is introduced for B.B.A course, wherein process of Continuous Internal Evaluation is ensured. The candidate has to appear for Internal Evaluation of 30 marks and University Evaluation for 70 marks. It is 70 + 30 pattern of evaluation. It is applicable for theory and practical as well. The details regarding this evaluation system are as under.

#### B.B.A First Year – Semester I

Subject code	Subjects	Internal Marks	Uni. Exam.	Total Marks	Weekly workload (Hrs)
101	Principles of Management	30	70	100	4
102	Business Communication Paper I	30	70	100	4
103	Financial Accounting	30	70	100	4
104	Business Economics (Micro)	30	70	100	4
105	Business Organization & Systems	30	70	100	4
106	Practical's on Management- I	50	50	100	4
	Total	200	400	600	24

#### B.B.A First Year – Semester II

<b>Subject code</b>	<b>Subjects</b>	<b>Internal Marks</b>	<b>Uni. Exam.</b>	<b>Total Marks</b>	<b>Weekly workload (Hrs)</b>
201	Business Environment	30	70	100	4
202	Business Communication - II	30	70	100	4
203	Cost Accounting	30	70	100	4
204	Management and Business Services	30	70	100	4
205	Business Informatics	30	70	100	4
206	Practical's on Management- II	50	50	100	4
	<b>Total</b>	<b>200</b>	<b>400</b>	<b>600</b>	<b>24</b>

#### **B.B.A Second Year – Semester III**

<b>Subject code</b>	<b>Subjects</b>	<b>Internal Marks</b>	<b>Uni. Exam.</b>	<b>Total Marks</b>	<b>Weekly workload (Hrs)</b>
301	Business Statistics	30	70	100	4
302	Marketing Research	30	70	100	4
303	Foundation of Human Skills	30	70	100	4
304	Business Economics - II	30	70	100	4
305	IT in Management	30	70	100	4
306	Taxation	50	50	100	4
	<b>Total</b>	<b>200</b>	<b>400</b>	<b>600</b>	<b>24</b>

#### **B.B.A Second Year – Semester IV**

<b>Subject code</b>	<b>Subjects</b>	<b>Internal Marks</b>	<b>Uni. Exam.</b>	<b>Total Marks</b>	<b>Weekly workload (Hrs)</b>
401	Business Law	30	70	100	4
402	International Business	30	70	100	4
403	Organizational Behavior	30	70	100	4
404	Entrepreneurship Development	30	70	100	4
405	Management of SME's	30	70	100	4

406	Mini Project I	50	50	100	4
	Total	200	400	600	24

#### B.B.A. Third Year – Semester V

Subject code	Subjects	Internal Marks	Uni. Exam.	Total Marks	Weekly workload (Hrs)
501	International Business	30	70	100	4
502	Retail Management	30	70	100	4
503	Financial Management -I	30	70	100	4
504	Human Resource Management – I	30	70	100	4
505	Production Management- I	30	70	100	4
506	Taxation	50	50	100	4
	Total	200	400	600	24

#### B.B.A. Third Year – Semester VI

Subject code	Subjects	Internal Marks	Uni. Exam.	Total Marks	Weekly workload (Hrs)
601	Business Law	30	70	100	4
602	Marketing Management - II	30	70	100	4
603	Financial Management-II	30	70	100	4
604	Human Resource Management – II	30	70	100	4
605	Production Management- II	30	70	100	4
606	Project Report	50	50	100	4
	Total	200	400	600	24

#### 6. Internal Evaluation

The internal evaluation will be of 30 marks which will consists of following heads. The internal evaluation should be done accordingly and marks should be sent to university.



Internal	Marks
Attendance	05 Marks
Class Assignments (2)	10 Marks
Seminar/ Group Exercise	10 Marks
Prelim Examination	05 Marks
Total	30 Marks

## B) Bachelor of Computer Applications (BCA)

### 1) Title:

The degree shall be titled as Bachelor of Computer Applications (BCA)

### 2) Objectives of the course:

This is a three years bachelor degree course in computer applications aimed at developing computer professional versatile in use of computers mostly in business world. The emphasis is to have generality of developing professionals as programmer, system analysts, database administrators, documentation officer etc.

### 3) Duration:

- i) The course shall be a fulltime course.
- ii) The duration of course shall be three years.
- iii) The course shall be run on self-supporting basis.

### 4) Number of Students:

A batch shall consist of not more than 60 students.

### 5) Eligibility:

- i) A candidate for being eligible or admission to the Degree Course in Computer Science. Candidate shall have passed XII std. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent or any Diploma of not less than two years.
- ii) A candidate has to appear for a common entrance test to be conducted by University or respective college for getting admission to this course.

1. Percentage at HSC	100
2. Percentage at Entrance	100
Total	200

The merit list will be prepared on the basis of percentage of HSC and percentage at entrance examination. Students will be admitted on the basis of Merit list.

### 6) Medium:

The medium of instruction and examination will be only in English.

a) Details of Internal examination:

1. Attendance	05marks
2. Assignment	20marks(3Home & 2 class assignments)
3. Mid-Test	05marks
Total	30marks

b) Marks of Lab course and mini project will be given by the concerned college on the basis of evaluation by the internal teacher.

c) Original Report and Viva-Voce:

Project Report will be assessed by the internal teacher at the end of sixth semester out of 70 marks and there will be viva-voce examination of 80 marks. The panel of examiners will consist of one internal and one external appointed by university.

Standard of Passing:

A candidate must obtain minimum 40% marks for passing in each university examination paper, internal examination, Lab course, Major Project.

i) Class will be awarded on the basis of marks obtained by the candidate in all the six semester examination.

ii) Candidate who has secure 40% marks in each head of internal credit and semester examination shall be declared to have passed in the paper.

iii) A candidate who fails in any particular theory papers shall be allowed to reappear for that theory paper .However, his/her internal credit marks shall be carrying forwarded.

Award of Class:

Class should be awarded to the students of BCA on the basis of aggregate marks in the six semesters.

The award of class shall be as under:

Aggregate 70% and above	First class with distinction
Aggregate 60% and above	First Class But less than 70%,
Aggregate 50% and above	Second Class But less than 60%
Aggregate 40% and above	Pass Class But less than 50%

### **Titles of Papers and Scheme of Study and Evaluation for B.C.A. Program**

#### **Semester- I**

Course code	Title of Course	Credits		Lectures/Week			Evaluation		
		Th	Pr.	Th	Tu	Pr.	CA	UA	Total
BCA101	Fundamentals of Computer	4	-	5	-	-	30	70	100
BCA102	Basics of 'C' Programming.	4	-	5	-	-	30	70	100
BCA103	Financial Accounting with Tally	4	-	5	-	-	30	70	100
BCA104	Communication Skills	4	-	5	-	-	30	70	100
BCA105	Discrete Mathematics	4	-	5	-	-	30	70	100
BCA106	Lab-I Based on 101,102,103,105	-	4	-	-	8	30	70	100
	<b>Total</b>	<b>20</b>	<b>4</b>	<b>25</b>	<b>-</b>	<b>8</b>	<b>180</b>	<b>420</b>	<b>600</b>

## Semester- II

Course code	Title of Course	Credits		Lectures/Week			Evaluation		
		Th	Pr.	Th	Tu	Pr.	CA	UA	Total
BCA201	Advanced Programming in C	4	-	5	-	-	30	70	100
BCA202	Web Technology	4	-	5	-	-	30	70	100
BCA203	Software Engineering	4	-	5	-	-	30	70	100
BCA204	Digital Electronics	4	-	5	-	-	30	70	100
BCA205	Computer Oriented Statistics	4	-	5	-	-	30	70	100
BCA206	Lab-2 Based on 201,202,204,205	-	4	-	-	8	30	70	100
	<b>Total</b>	<b>20</b>	<b>4</b>	<b>25</b>	<b>-</b>	<b>8</b>	<b>180</b>	<b>420</b>	<b>600</b>

### **Titles of Papers and Scheme of Study and Evaluation for B.C.A Program**

#### **Semester- III**

Course Code	Title of Course	Credits		Lectures/Week			Evaluation		
		Th	Pr.	Th	Tu	Pr	CA	UA	Total
BCA301	Data Structures using C	4	-	5	-	-	30	70	100
BCA302	Networking & Data Communication	4	-	5	-	-	30	70	100
BCA303	DBMS with Oracle	4	-	5	-	-	30	70	100
BCA304	OOP with C++	4	-	5	-	-	30	70	100
BCA305	Operations Research	4	-	5	-	-	30	70	100
BCA306	Lab-3 Based on 301, 303, 304	-	12	-	-	12	30	70	100
	<b>Total</b>	<b>20</b>	<b>12</b>	<b>25</b>	<b>-</b>	<b>12</b>	<b>180</b>	<b>420</b>	<b>600</b>

#### **Semester- IV**

Course Code	Title of Course	Credits		Lectures/Week			Evaluation		
		Th	Pr.	Th	Tu	Pr	CA	UA	Total
BCA401	Software Testing	4	-	5	-	-	30	70	100
BCA402	Python	4	-	5	-	-	30	70	100
BCA403	Operating System	4	-	5	-	-	30	70	100
BCA404	Advanced Web Technology	4	-	5	-	-	30	70	100
BCA405	E-Governance	4	-	5	-	-	30	70	100
BCA406	Lab-4 Based on 402, 404	-	12	-	-	12	30	70	100
	<b>Total</b>	<b>20</b>	<b>12</b>	<b>25</b>	<b>-</b>	<b>12</b>	<b>180</b>	<b>420</b>	<b>600</b>

**BCA – III (Sem- V & VII) – Syllabus is under construction.**

### C) Bachelor of Science (Entire Computer Science)

#### Eligibility & Ordinances and Regulations

(Subject to changes those may be made from time to time)

#### O. B. Sc. I

A) i) The candidate passing the Higher Secondary Examination Conducted by the Maharashtra State Board of Higher Secondary Education, with **science stream** MCVC with Science Subject D.Pharm, Diploma, Engineering, Agricultural Diploma, Dairy Diploma shall be allowed to enter upon the B. Sc. Part-I Course.

#### OR

ii) An examination of any other statutory University or an Examining Body recognized as equivalent thereto.

iii) Repeater Student will be allowed to take fresh admission to the same Class with same subjects or different subjects.

iv) A candidate has to appear for a common entrance test to be conducted by University or respective college for getting admission to this course.

1.Percentage at HSC	100
2.Percentage at Entrance	100
Total	200

The merit list will be prepared on the basis of percentage of HSC and percentage at entrance examination. Students will be admitted on the basis of Merit list.

B) No candidate shall be admitted to the B. Sc. Part-I Semester-I Examination unless he/she has satisfactorily kept terms for the course at a College affiliated to this University.

C) Promotion to Semester-II from Semester-I is unconditional.

### Semester Pattern Syllabus of B.Sc.-I

#### Entire Computer Science

#### Semester – I

Class	Subject	No. of Papers/ Practical	Hrs/Week			Paper Mark	UA	CA	Credit	Total
			L	T	P					
B.Sc.I	English	English Paper I (Compulsory)	4	-	-	100	70	30	4	
	Computer Science	ECS101- Computer Fundamentals and Programming in C-I	5	-	-	100	70	30	5	
	Computer Science	ECS102- Linear and Digital Electronics-I	5	-	-	100	70	30	5	
	Computer Science	ECS103- Graph Theory and Numerical Methods	5	-	-	100	70	30	5	
	Computer Science	ECS104 – Descriptive Statistics and Probability Theory -I	5	-	-	100	70	30	5	
Total			24			500			24	24
Grand Total			24			500			24	24 credits

**Semester – II(Entire Computer Science)**

Class	Sem	Subject	No. of Papers/ Practical	Hrs/Week			Paper Mark	UA	CA	Practical Mark	UA	CA	Credit
				L	T	P							
B.Sc.I	II	English	English Paper II (Compulsory)	4	-	--	100	70	30	100	70	30	4
		Computer Science	ECS201- Computer Fundamentals and Programming in C-II	5	-	--	100	70	30	100	70	30	5
		Computer Science	ECS202- Linear and Digital Electronics-II	5	-	--	100	70	30	100	70	30	5
		Computer Science	ECS203- Algebra and Operation Research	5	-	--	100	70	30	100	70	30	5
		Computer Science	ECS204 – Descriptive Statistics and Probability Theory – II	5	-	--	100	70	30	100	70	30	5
Total				24			500			400			24
		Practical – Computer Science	LAB – I Laboratory Course in Computer Science			4							4
		Practical – Computer Science	LAB – II Laboratory Course in Electronics			4							4
		Practical – Computer Science	LAB – III Laboratory Course in Mathematics			4							4
		Practical – Computer Science	LAB – IV Laboratory Course in Statistics			4							4
Total				24		16	500			400			16
Grand Total				24						900			40
B.Sc.	Part I									1400			24+40 =64

Abbreviations: L: lectures, T : Tutorials, P: Practicals; UA: University Assessment by End Semester Examination; CA : College assessment by Internal Continuous Examination UA (University Assessment): University Theory Paper shall be of 70 marks for 3.00 hrs duration. CA (College Assessment) : The Internal Examination for theory and Practical course.

- LAB – I : Laboratory Course in Computer Science and Electronics is based on papers ECS101 and ECS201.
- LAB – II : Laboratory Course in Electronics is based on papers ECS102 and ECS202
- LAB – III : Laboratory Course in Mathematics is based on papers ECS103 and ECS203
- LAB – IV : Laboratory Course in Statistics is based on papers ECS104 and ECS204

### B.Sc. II Entire Computer Science Semester –III

Sr.No.	Code	No. of Papers/ Practical	Hrs/Week			Paper Mark	UA	CA	Credits
			L	T	P				
1	ECS301	Object Oriented Programming using C++	3	-	-	100	70	30	3
2	ECS302	Software Engineering	3	-	-	100	70	30	3
3	ECS303	Operating system	3	-	-	100	70	30	3
4	ECS304	Data Structures	3			100	70	30	3
5	ECS305	Embedded System-I	3			100	70	30	3
6	ECS306	Advanced Microprocessor	3			100	70	30	3
Total(Sem-III Theory)			18	0	0	600	420	180	18

### B.Sc. II Entire Computer Science Semester –IV

Sr.No.	Code	No. of Papers/ Practical	Hrs/Week			Paper Mark	UA	CA	Credits
			L	T	P				
1	ECS401	Object Oriented Programming using Java	3	-	--	100	70	30	3
2	ECS402	DBMS Using Oracle	3	-	--	100	70	30	3
3	ECS403	UNIX Operating system	3	-	--	100	70	30	3
4	ECS404	Computer Graphics	3			100	70	30	3
5	ECS405	Embedded System-II	3			100	70	30	3
6	ECS406	Peripherals and Interfacing	3			100	70	30	3
7		Environmental Science	4			100	70	30	
Total(Sem-IV Theory)			22	0	0	700	490	210	18
8	ECS407	Practical (Based on ECS301 ,304 and 404)			8	200	140	60	8

9	ECS408	Practical (Based on ECS401 ,402 and 403)			8	200	140	60	8
10	ECS409	Practical (Based on ECS305 ,306 and 405, 406)			8	200	140	60	8
Total (Practical's)					24	600	420	180	24
Grand Total= Sem-III + Sem-IV + Practical			40		24	1900	1330	570	60

**Important Note:-** The 30 marks of college level assessment (CA) may distributed as 15 marks for Internal Test and 15 marks for Home Assignment/seminars etc.

**Abbreviations:-**

**L: Lectures T: Tutorials**

**P: Practical's UA: University Assessment CA : College Assessment**

#### B.Sc. Part-III (Entire Computer Science) Semester –V

Paper Code	Paper Name	Theory /Practical	Marks
ECS501	Data communication and networking-I	Theory	50
ECS502	Database Management System-I	Theory	50
ECS503	Core Java	Theory	50
ECS504	Theory of Computer Science	Theory	50
ECS505	Web Technology and E-Commerce-I	Theory	50
ECS506	Visual Programming and Application Software-I	Theory	50
Lab VIII	Based on paper ECS503, ECS506	Practical	-
Lab IX	Based on paper ECS502, ECS505	Practical	-
Lab X	Project Work	Practical	-

#### Semester – VI (Entire Computer Science)

Paper Code	Paper Name	Theory /Practical	Marks
ECS601	Data communication and networking-II	Theory	50
ECS602	Database Management System-II	Theory	50
ECS603	Advanced Java	Theory	50
ECS604	Compiler Construction	Theory	50
ECS605	Web Technology and E-Commerce-II	Theory	50
ECS606	Visual Programming and Application Software-II	Theory	50
Lab VIII	Based on paper ECS603, ECS606	Practical	100
Lab IX	Based on paper ECS602, ECS605	Practical	100
Lab X	Project Work	Practical	100

#### 4. Fee Structure

The following is the fee structure for the Course BBA, BCA, B.Sc. Entire Computer Science with effect from June 2010-11 and onwards.

#### BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)

Sr. No.	Items/Particulars	BBA Part-I Rs.	BBA Part-II Rs.	BBA Part-III Rs.
1	Admission fee	100	100	100
2	Library fee	1000	1000	1000
3	College Exam fee	100	100	100
4	Students Aid Fund	10	10	10
5	Gymkhana fee	120	120	120
6	Prorata fee	60	60	60
7	Caution Money Deposit	300	0	0
8	Laboratory fee	2000	2000	2000
9	Magazine fee	50	50	50
10	Youth festival	120	120	120
11	Tuition fee	10000	10500	11025
12	College Development Fund	75	75	75
13	Ashwamedh fee	30	30	30
14	Student Insurance	15	15	15
15	Emergency Fund	10	10	10
16	University Development fund	50	50	50
17	E-mail/ Internet fee	100	100	100
18	Eligibility fees	100	0	0
19	Registration fee	10	10	10
20	Gathering fees	25	25	25
21	Library Deposit	300	0	0
22	Computer Lab Deposit	500	0	0
23	E-Suvidha fee (University)	50	50	50
24	Environmental Science	--	250	0
	<b>Total</b>	<b>15125</b>	<b>14675</b>	<b>14950</b>



**BACHELOR OF COMPUTER APPLICATION (B.C.A.)**

Sr. No.	Items/Particulars	BCA Part-I Rs.	BCAPart-II Rs.	BCA Part-III Rs.
1	Admission fee	100	100	100
2	Library fee	1500	1500	1500
3	College Exam fee	100	100	100
4	Students Aid Fund	10	10	10
5	Gymkhana fee	120	120	120
6	Prorata fee	60	60	60
7	Caution Money Deposit	500	0	0
8	Laboratory fee	2750	2750	2750
9	Magazine fee	50	50	50
10	Youth festival	120	120	120
11	Tuition fee	12000	12600	13230
12	College Development Fund	75	75	75
13	Ashwamedh fee	30	30	30
14	Student Insurance	15	15	15
15	Emergency Fund	10	10	10
16	University Development fund	50	50	50
17	E-mail/ Internet fee	200	200	200
18	Eligibility fees	100	0	0
19	Registration fee	10	10	10
20	Gathering fees	25	25	25
21	Library Deposit	500	0	0
22	Computer Lab Deposit	500	0	0
23	E-Suvidha fee (University)	50	50	50
24	Environmental Science	0	250	0
	<b>Total</b>	<b>18875</b>	<b>18125</b>	<b>18505</b>

**B.Sc. ECS (Entire Computer Science)**

Sr. No.	Items/Particulars	B.Sc. ECS Part-IRs.	B.Sc. ECS Part-IIRs.	B.Sc. ECS Part-IIIRs.
1	Admission fee	100	100	100
2	Library fee	1000	1000	1000
3	College Exam fee	100	100	100
4	Students Aid Fund	10	10	10
5	Gymkhana fee	120	120	120
6	Prorata fee	60	60	60
7	Caution Money Deposit	300	0	0
8	Laboratory fee	2000	2000	2000
9	Magazine fee	50	50	50
10	Youth festival	120	120	120
11	Tuition fee	10000	10500	11025
12	College Development Fund	75	75	75
13	Ashwamedh fee	30	30	30
14	Student Insurance	15	15	15
15	Emergency Fund	10	10	10
16	University Development fund	50	50	50
17	E-mail/ Internet fee	100	100	100
18	Eligibility fees	100	0	0
19	Registration fee	10	10	10
20	Gathering fees	25	25	25
21	Library Deposit	300	0	0
22	Computer Lab Deposit	1000	0	0
23	E-Suvidha fee (University)	50	50	50
24	Environmental Science	0	0	250
	<b>Total</b>	<b>15625</b>	<b>14425</b>	<b>15200</b>

**5. Details of SU-CET 2017.**

- The Common Entrance Test (SU-CET-2017) will be conducted by the Solapur University, Solapur, for the admission to the first year of BBA/ BCA/B.Sc.(Entire Computer Science) courses in the affiliated colleges & recognized Institutes of Solapur University, Solapur.
- Eligible candidate can appear for SU-CET-2017.
- No student can be admitted to BBA/BCA/B.Sc.(ECS) courses without appearing for the SU-CET-2017.
- The university will conduct separate Entrance Tests for BBA/BCA/B.Sc.(ECS).
- Students can appear for the all three Tests independently to become eligible for the admission to a respective course.
- Separate Application form is to be submitted for appearing for each CET course.

**Nature of Question Paper**

**BBA**

**Duration – 120 Min.**

<b>English</b>	-	25
<b>Quantitative Aptitude</b>	-	25
<b>Reasoning</b>	-	25
<b>General Knowledge</b>	-	25
<b>Total Marks</b>		<u>100</u>

- There will be 100 multiple-choice objective questions and each question will carry **one mark.**
- There will be No Negative Marks for a wrong Answer.

**Nature of Question Paper for BCA**

**Duration- 120 Min.**

<b>English</b>	-	20
<b>Quantitative Aptitude</b>	-	20
<b>Reasoning</b>	-	20
<b>General Knowledge</b>	-	20
<b>Computerknowledge</b>	-	20
<b>Total marks</b>		<u>100</u>

- There will be 100 multiple-choice objective questions and each question will carry **one mark.**
- There will be No Negative Marks for a wrong Answer.

**Nature of Question Paper for B.Sc.(Entire Computer Science)**

**Duration 60 minutes.**

<b>Sr.No.</b>	<b>Details</b>	<b>Questions</b>	<b>Marks</b>
<b>1</b>	<b>English</b>	<b>10</b>	<b>20</b>
<b>2</b>	<b>Physics</b> <b>( up to 12<sup>th</sup> Science)</b>	<b>10</b>	<b>20</b>
<b>3</b>	<b>Chemistry</b> <b>( up to 12<sup>th</sup> Science)</b>	<b>10</b>	<b>20</b>
<b>4</b>	<b>Quantitative Aptitude</b>	<b>20</b>	<b>40</b>
	<b>Total</b>	<b>50</b>	<b>100</b>

- Each question carries 2 marks
- Question paper contains 50 Multiple-choice questions.
- There will be No Negative Marks for a wrong Answer.

## 6. Seats Available for Admission through Centralized Admission Process (CAP)

- 80% through Centralized Admission Process (CAP) & 20% Management Quota.
- Reservation of seats for candidate of backward class belonging to Maharashtra State are as per details in the table given below.

Sr. No.	Type of Reservation to	% of Reservation
1.	SC & SC Converted to Buddhism	13%
2.	ST	07%
3.	VJ & DT i.e. NT(A)	03%
4.	NT-B	2.5%
5.	NT-C	3.5%
6.	NT-D	2%
7.	Other Backward Classes	19%
	Total	50%

Candidates belonging to **special backward class (SBC)** will be offered reservation up to 2% of the seats available subject to condition **that seat remain vacant in 23 reserve category at the end of round-I of allotment. The seats to be offered to the SBC candidates shall be made available from any one of the categories of reservation where ever vacancy exists after round-I.**

Note- All candidate claiming the reservation for backward classes should produce, **Caste certificate** in the name of the candidate issued by the **executive magistrate / metropolitan magistrate in Maharashtra State** clearly mentioning the category of the candidate and also remark that caste recognized as backward class category belonging to the state of the Maharashtra, at the time of admission in the concerned colleges.

- Candidate belonging to NT-(A), NT(B), NT(C), NT(D), OBC & SBC categories should produce **Non Creamy layer** certificate issued by the sub-divisional officer / deputy collector of District in addition to the caste certificate at the time of admission. **Non Creamy Layer certificate should be valid**  
OR
- **If the candidate is not able to produce non-creamy layer certificate at the time of admission. Such candidate will be treated as general category candidates and such candidate will not be able to claim on reservation seat in admission process.**

## **7. Selection basis and Selection Procedure adopted for admission**

The course wise merit list of the candidates shall be prepared on the basis of marks obtained by candidates in entrance examination (SU-CET 2017). Each candidate will be given merit number on the basis of marks obtained in Entrance Examination.

### **❖ Relative Merit in case of equal marks–**

In case if there are two or more candidates with equal marks in entrance examination, the percentage of marks at HSC shall be considered for deciding merit numbers. Even after this, if student continue to obtain equal positions then marks of English subject at HSC exam shall be considered. Even after this, if the candidate is continued to obtaining same merit number, his/her date of birth shall be considered and senior will be given preference.

## **8. Centralized Admission Process 2017.**

The University Authority shall conduct one round of Centralized Admission. Eligible candidates will fill **course wise forms along with the preference to colleges as per their options**. The steps include submission of online application on University website <http://www.su.digitaluniversity.ac>, filling up and payment of entrance examination fee of Rs.250/- as per the instructions given on the website.

### **❖ Procedure for CET and Centralized Admission Process (CAP)**

**The various stages are as follows –**

#### **Stage I - Information Brochure**

Information Brochure along the Application form for aspiring candidates will be available on the university website. The candidate has to submit online application at the colleges and institutes where BBA/BCA/B.Sc. (Entire Computer Science) is available under the Solapur University. It is mandatory for the candidate to submit online application form. The application form-processing fee is Rs.250/-. The entrance fee should be remitted online as per the instructions given on the website. The examination fee is non refundable and non transferable under any circumstances. **The candidate has to fill up separate application form for each course.**

#### **Stage II – Registration for SU-CET 2017**

The candidate has to submit the Application form online.

Candidate will not be able to change the information after submission of online application form. The Hall Tickets will be made available in the candidate's login from onwards. Hall Ticket will be generated for the candidates who paid the entrance examination fees.

#### **Stage III – Appearing for the BBA/BCA/B.Sc.(Entire Computer Science) SUCET – 2017.**

Candidates will appear for SU-CET 2017 Entrance examination at the designated venue as mentioned in the Hall Ticket. Candidates are also required to read the instructions given in the Hall Ticket carefully. If there are any difficulties the candidate may contact on Phone No. 0217-2744778 Extension No. 115 or 116.

#### **Stage IV – Declaration of SU-CET 2017 result.**

The result will be declared on the university Website as well as on the notice boards of colleges/institutions, on 30-06-2017 (See Annexure III).

#### **Stage V – Centralized Admission Process - General Instructions**

Candidate has to apply online through university website <http://su.digitaluniversity.ac> for entrance examination form, and also from net cafes any where. Instructions for filling Option form.

**Candidates can give minimum 1 and maximum 3 options. The candidate has to fill his/her preference along with college name, clearly.**

## **Stage VI – Display of Allotment, Rules of Reporting to the “Respective Institute” and confirmation of the admission.**

This will be a direct allotment round. At the start of this round, total seats available for allotment will be CAP seats. The allotment in this round will be done on the basis of options submitted by the candidate, inter se merit of the eligible candidate and available seats at that point of time during the allotment stage/process.

- The allotment of the candidates will be displayed on the university website.
- The candidate will report to the allotted college/institute and confirm the admission at respective College/Institute along with the necessary original documents and pay full fees. The candidate has to submit original documents along with attested copies of documents at the time of admission.
- The institute is required to give the receipt of payment of fees to candidate after completing all formalities.
- If the candidate (to whom it is Mandatory to report after allotment) fails to report to and confirm the admission at the college/Institute on or before the last date of reporting at the college/institute the candidate shall lose claim on the allotment seat. Such seats will be treated as vacant seat.

### **Seats remaining vacant after offering admission through CAP.**

The seats remaining vacant after offering admissions to the candidates who have come through Centralized Allotment Process will be filled in by the management of respective institutes. The candidates whose name appears in merit list are only eligible for admission against vacant seats.

## **9. Important Notes**

- **No personal communication will be made from Solapur University or affiliated colleges/institutions regarding SU-CET 2017 and CAP.**
- It is the responsibility of the candidate to read the information and to see the notification from time to time on university website <http://www.su.digitaluniversity.ac> as well as notice board of respective college/institute.
- Student has to attend the CET at his/her own costs.
- Change of college/institution will not be entertained.
- University authorities reserve the right to make any change in the admission process.
- 20% seats under management quota should be filled by respective college/instituted from the merit list of the University only.
- If candidate cancel the admission during admission process, up to the cut off date he/she will get the refund after deducting Rs.1000/- processing fees as per U.G.C. Circular from the total fees.
- Cancellation of admission and refund of money shall be made as per the Public Notice (F.No.1-3/2007 (CPP-II) date 23rd April, 2007) by University Grants Commission, New Delhi.
- Candidate should preserve the Hall Ticket till the admission process is over.

## **10. Annexure I**

### **Documents required at the time of admission at the respective college/institute.**

Original and 3 attested copies of the following documents should be submitted at the time of admission.

- a) SSC Mark list.
- b) HSC/Diploma Mark list.
- c) Caste Certificate in case of reservation candidates.
- d) Non Creamy Layer Certificate valid up to 31st March 2017 if applicable.
- e) College Leaving Certificate.
- f) Hall ticket of SU-CET 2017.
- g) Any other relevant document or undertakings.
- h) Domicile certificate.

## 11. Annexure II

### Names of Colleges/Institutes nominated as Examination centers.

Application form for SU-CET/ Option for various courses will be filled online.

Website <http://www.su.digitaluniversity.ac>

Sr.No.	Course	Name of College
<b>Solapur</b>		
1	BBA	Hirachand Nemchand College of Commerce
2	BCA	Sangameshwar College
3	BCA	K.P. .Mangalwedhekar Institute of Management
4	B.Sc(ECS)	D.B.F.Dayanand College of Arts & Science Sangola
<b>Sangola</b>		
5	BBA/BCA/ B.Sc(ECS)	Sangola College,Sangola
6	BCA/ B.Sc(ECS)	Vidyan Mahavidyalaya
<b>Barshi</b>		
7	BBA / B.Sc(ECS)	Shriman Bhausahab Zadbuke College
8	BCA	BCA B.P.Sulakhe College of Commerce
<b>Pandharpur</b>		
9	B.Sc(ECS)	K.B.P College
10	BBA/BCA	Uma Mahavidyalaya
11	BCA/ B.Sc(ECS)	Institute of Computer & Management, Kasegaon.
<b>Malshiras</b>		
12	BBA/BCA/ B.Sc(ECS)	Greenfinger College of Computer & Technology, Akluj
13	BCA/ B.Sc(ECS)	Shriram Institute, Paniv.
<b>Akkalkot</b>		
14	BBA/BCA/ B.Sc(ECS)	C.B.Khedagi's Raja Vijaysing Commerce, Raja Jaysing Arts College, Akkalkot.
<b>Karmala</b>		
15	BBA/BCA/ B.Sc(ECS)	P.D.Patil College of Computer & Management, Zare
<b>Mohol</b>		
16	BBA/BCA/ B.Sc(ECS)	Sambhajirao Garad College
<b>Natepute</b>		
17	BBA/BCA/ B.Sc(ECS)	Vijaysinh Mohite College of Arts & Science

**Annexure III**  
**Schedule of activities for Admission to BBA/BCA/B.Sc.(ECS) for year 2017-18.**

Sr.No.	Activities	Schedule	
		From	To
1	Submission of online applications for SU-CET-2017 through university website <a href="http://su.digitaluniversity.ac">http://su.digitaluniversity.ac</a>	31-05-2017	15-06-2017
2	Course	Date of SU-CET-2017	Time of SU-CET-2017
	BCA	22 June 2017	10.00 a.m. to 12.00 noon
	BBA	22 June 2017	01.30 p.m. to 03.30 p.m.
	B.Sc. (ECS)	22 June 2017	04.30 p.m. to 05.30 p.m.
3	Declaration of the Result of SU-CET-2017 on university website	30-06-2017 at 5.30 p.m.	
4	Display of first round of allotment	04-07-2017 at 5.30 p.m.	
5	Admission at allotted college	05-07-2017 to 10-07-2017	
6	Admission against vacant seats at college level	11-07-2017 to 15-07-2017	

Note: University authorities reserve the right to change above timetable.

**दि.२२ जून २०१७ या आलावधीत होणारे प्रवेश परीचे निवेदन.**

तपशिल	दिनांक
विद्यार्थ्यांनी प्रश्नपत्रे वील वृटी वळविणे (फक्त ईमेलद्वारे) Email:- <a href="mailto:dypreexam@sus.ac.in">dypreexam@sus.ac.in</a>	परीचे दिवशी
उत्तरसुची (Answer Key) संकेतस्थळावर प्रसिध्द करणारा दिनांक	दि.२३ जून २०१७
उत्तरसुचीमध्ये वही वृटी असल्यास, वृटी वळविणारा दिनांक (फक्त ईमेलद्वारे) Email:- <a href="mailto:dypreexam@sus.ac.in">dypreexam@sus.ac.in</a>	दि.२६ जून २०१७ सायं. ६ वाजेपर्यंत
संकेत उत्तरपत्रे (OMR) संकेतस्थळावर प्रसिध्द करणारा दिनांक	दि.२८ जून २०१७ सायं. ६ वाजेपर्यंत
उत्तरसुचित दुरुस्ती असल्यास, सुधारीत उत्तरसुचि विद्यापीठाच्या संकेतस्थळावर प्रसिध्द करणारा दिनांक	दि. २९जून २०१७
अंतिम निवेदन विद्यापीठाच्या संकेतस्थळावर जाहिर करणारा दिनांक	दि.३० जून २०१७



### 13. Annexure – IV

#### Intake Capacity

Sr. No.	Colleges/ Institutes	BBA	BCA	B.Sc.(ECS)
	<b>Solapur City</b>			
1	Hirachand Nemchand College of Commerce, Solapur	60	60	
2	Sangameshwar College, Solapur	60	60	80
3	D.B.F.Dayanand College of Arts & Science Solapur	--	--	80
4	K.P.Mangalwedhekar Institute of Management & Career Development and Research Solapur	60	60	--
5	Deshbhakta Harinarayan Bankatlal Soni College, Solapur	--	60	80
6	A.R.Burla Mahila Mahavidyalaya, Solapur	--	60	--
7	DAV Velankar College of Commerce, Solapur	--	60	--
8	Vasundhara Kala Mahavidyalaya, Twin Solapur	--	60	--
	<b>Akkalkot</b>			
9	C.B.Khedgi's College, Akkalkot	--	60	--
10	BBA & BCA Mahavidyalaya, Akkalkot	60	60	80
	<b>Sangola</b>			
11	Sangola Mahavidyalaya, Sangola	--	180	240
12	Vidyan Mahavidyalaya, Sangola	--	180	80
	<b>Barshi</b>			
13	B.P.Sulakhe Commerce College Barshi	--	60	--
14	S.B.Zadbuke Mahavidyalaya, Barshi	60	60	--
	<b>Karmala</b>			
15	Dr.P.D.Patil College of Computer Science & Management Studies, Zare	--	60	--
	<b>Malshiras</b>			
16	Rajsinha Mohite Patil Institute of Management Studies, Shankar Nagar, Akluj, Tal-Malshiras	60	--	--
17	Sahakar Maharshi Shankarrao Mohite Patil Mahavidyalaya, Natepute, Malshiras	--	60	80
18	Green Fingers College Akluj	--	120	160
19	Shriram Institute of Information Technology, Paniv, Akluj	--	60	80
	<b>Mohol</b>			
20	Deshbhakt Sambhaji Rao Garad College Mohol	--	60	--
	<b>Pandharpur</b>			
21	Uma Mahavidyalaya	--	60	--
22	New Satara College of B.C.A. Pandharpur	--	60	--
23	Karmaveer Bhaurao Patil Mahavidyalaya Pandharpur -	--	60	80
24	Institute of Computer & Management Studies, Kasegaon, Pandharpur	--	60	80

Above Intake Capacities may change. Names of colleges may be added or deleted as per instructions of competent authorities so the Final intake will be declared before first round of admission on website and at respective collection centers.

**DISCIPLINARY RULES: -**

For the purpose of Section 95 (5) of the Maharashtra Universities Act, 1994 the rules of discipline and proper conduct for the students of the University Department, affiliated colleges, recognized institutions, autonomous college/ institutions shall be as follows: As part of discipline, students are required to attend functions celebrating Days of National Importance. A) The students shall attend the classes, practical and seminars etc. whenever prescribed, regularly so that the requirements of minimum attendance as prescribed under the Act, the Statutes, the ordinances and rules/regulations made in that behalf are fulfilled. It shall be binding on the part of the students to see that no damage is done to the property of the concerned institution in any manner. i) The students shall behave with their classmates, teachers' authorities and the nonteaching employees of the concerned institutions in a responsible manner. ii) The student shall behave in a fair and friendly manner in all extra and co-curricular activities. iii) The student shall participate in Educational tours, Youth festivals and other collective activities wherever prescribed, in a constructive manner-ensuring fulfillment of the objectives of the said activity under strict supervision and guidance of the teachers/officers/authorities of the concerned institutions. iv) It shall be obligatory on the part of the students to make a proper use of the Laboratory/Library/Study Room and other common facilities without causing inconvenience or damage to the other users, and the property. 32 The resident students shall be governed by the rules and regulations in respect of hostel accommodation/official premises as prescribed by the concerned institution. The students involved in any attempts of common-offs, vulgarism, gundaism, manhandling, eve teasing, malpractices or participation in criminal acts shall be liable for punishment.

**Prevention of Ragging in Educational Institutions:**

The provisions of Anti-Ragging Legislation of the State Government shall govern the students, and / or rules made in this regard from time to time by the concerned institution. Ragging is any act which violates the dignity of the individual student or is perceived to violate his / her dignity. Broadly ragging can be categorized in following way – i) Verbal Ragging ii) Severe Verbal Ragging iii) Physical Ragging iv) Sexual Ragging For various types of ragging the punishment such as imprisonment or fine or both is prescribed with expulsion etc, if found guilty of ragging.

**Anti – Ragging Committee / Squad:**

Anti Ragging squad has been constituted at University level as per order of Hon'ble Supreme Court of India. (D. No. 370/04/XI/-A) dated 18th May, 2007. All Colleges have been constituted Anti-Ragging Committee at college level. Ragging in any form is strictly prohibited.

**Sexual Harassment Prevention Committees:**

There are committees constituted for prevention of sexual harassment. Students can take help of the committee for any kind of problem of harassment. 10) All powers relating to disciplinary action against students of an affiliated college or recognized institution not maintained by the University, shall vest in the Principal of the affiliated college or Head of the recognize institution, and the provisions of the foregoing sub- section including the rules, if any made there under, shall mutatis mutandis apply to such colleges, institution and students therein. Any breach of the aforesaid rules or any misbehavior on the part of the student shall be liable to be punished severely in accordance with provisions contained in section 95 (3)(4) of the Maharashtra University Act, 1994.