

(Established under Section 3 of the UGC Act, 1956)
Gram: Lavale, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI P.R.No. : 17030121009 Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS
Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE
Faculty : COMPUTER STUDIES

TITLE OF THE COURSE RONICS TO PYTHON MENT & PROGRAMMING CONCEPTS	-ITS 2 2	GRADE LET POINTS GRA 8.60 A 7.00 B	ADE
TO PYTHON MENT & PROGRAMMING CONCEPTS	DUNIVERSITY S MERISS BY	7.00 B	TYLES MRE
TO PYTHON MENT & PROGRAMMING CONCEPTS	DUNIVERSITY S MERISS BY	7.00 B	TYLES MRE
MENT & PROGRAMMING CONCEPTS	D UNIVERSITY) - SYMBIOSIS IN	TERNATIONAL (DEEMED UNIT	3+
ONAL (DEEMED UNIVERSITY) - SYMBIOSIS INTERNATIONAL (DEEMED LINIVERS	INIVASITY) MAI 2	8.00 A	
			VERS YY) - SYMBIOSES
AMENTALS	RSIT - SYNAD TO THE 2 LIKE	7.20 B	3+ MBIOSIS INT
O OPERATING SYSTEM	2	5.60 C	S TEREST
WEB TECHNOLOGIES	4	7.60 B	3+
STATISTICS-I	2 es	6.80 B	5,0
MATION TOOLS	BIC SIN TRY ONAL (I)	9.00 A	AL (I EM
JNICATION OS MIE MI GRODE ED MYE SID SYMBI	C S IN ERM O 02	9.00 A	SYN OS
ATHEMATICS	SV 40SSS I L 2	4.80 P	AB SIS INT
SASTER MANAGEMENT	ERST 1-5Y END SIS TER AT	THE THOUGH SERVICE OF THE SERVICE OF	Y YMAY
Grade Point Average	e: 7.38	DEEMED UNIVERSITY) - SYME	IBIOSIS INTE
VAT ANA DEE ED (IVERSIT -SV 8105 IM ENATIO) A TO EMEL UNI	RSTM- VWB DIST TER C	MINAL DEEL ED U VER C	(Y) - SYY - BK
	WEB TECHNOLOGIES STATISTICS-I MATION TOOLS JNICATION ATHEMATICS SASTER MANAGEMENT Grade Point Average	WEB TECHNOLOGIES 4 STATISTICS-I 2 MATION TOOLS 2 JNICATION 2 ATHEMATICS 2 SASTER MANAGEMENT 2	WEB TECHNOLOGIES 4 7.60 E STATISTICS-I 2 6.80 E MATION TOOLS 2 9.00 A JNICATION 2 9.00 A ATHEMATICS 2 4.80 E SASTER MANAGEMENT 5



(Established under Section 3 of the UGC Act, 1956)
Gram: Lavate, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI : 17030121009 P.R.No. Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS

Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE

Facu	lty	: COMPUTER STUDIES			
SR.	COURSE CODE	TITLE OF THE COURSE AND ALL EMEDIANCE IN	III) DIIV OBSTIT AN	GRADE POINTS	LETTER GRADE
MBI SIS	0201	BASICS OF MICROPROCESSORS	2	8.40	A
2	0202	ADVANCED PROGRAMMING IN PYTHON	2	7.60	B+Sives
3	0203	DATA STRUCTURES	RSITY) - S MBIC 2 INTI	9.00	A +
4	0204	NETWORK ESSENTIALS	2	8.60	A Southous
5	0205	OPERATING SYSTEM INTERNALS	2	7.20	B+) - SYMBIOSIS INTI
6	0206	CLIENT SIDE WEB TECHNOLOGIES	4 DEEMED UNIVERSITY)	7.40	B+
7.1	0207	IT TOOLS FOR STATISTICS-II	2	5.60	M G IATIO
8	0208	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM	NA DEE ED L 2 VERS	8.20	Α
9	0209	INTRODUCTION TO OBJECT ORIENTED DESIGN	2	7.40	B+
10	0210	GERMAN A-1 - PAPER 1 ST	ERM O TO 4M I	9.00	A+
RSIII (-S)		Credits 24 Grade Point Average: Credits 46 CGPA:	y) - MB SIS TERM	MED UT VERS Y) - MB SIS INTI
RSIT - SY	BIO S INTERA TION	LISEMESTER -: 355 TERMAN WAL DEELED LIVERSID, SY BIOS LINT MATION OF MEL UNIVER	ISITY) - MB SIS (TER	TIONAL EEA	DU (VER DY) - SI
TY) 1/8	0301	COMPUTER ORGANIZATION AND MICROPROCESSOR	-5Y 8 2 4ER	9.40	A+
2	0302	PROGRAMMING IN C	- ME IS 4	8.40	A
VERS Y) -	MAIOSI NTE NATI	IAL CREMED NIVE SITY SYN COSIS IN ERN TON TOP CRED UNITERS THE SEMENT AS SITES ATT TALL FEM CONTY	STY SYM OSI ATEL	RNZ ON (DE 48	ED (VIVERS)]-5



(Established under Section 3 of the UGC Act, 1956)
Gram: Lavale, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI : 17030121009 P.R.No. Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS

Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE

COMPUTER STUDIES Faculty

SR. NO.	COURSE CODE	TIPE HED MIVE MY SYMBOLISM TITLE OF THE COURSE AND ALL EMEDI MYE M	(1) D114 355 111 N	GRADE POINTS	CO DINI LINOI 11-0	
3 MB SI	0303	DESIGN AND IMPLEMENTATION OF ALGORITHMS	2	7.40	B+	
4	0304	SERVER SIDE WEB TECHNOLOGY	4	9.00	A+	
5	0305	OPTIMIZATION TECHNIQUES IN IT	ssiry) s Mar 4 int	8.20	A	
6	0306	SQL PROGRAMMING	4	8.60	A	
7	0307	OBJECT ORIENTED MODELLING	2	9.00	A +	
8	0308	SOFTWARE ENGINEERING PRACTICES	1 4	8.20	A	
C	umulative	Credits 74 CGPA: SEMESTER: 4	8.000	SY BIO S IN	TERNATION L'O	
TEX	NIVE SITY SYMPLOS	SP TRN ON DE MED CRESTIAS MED ISBN ATC ALCREMED UNG SITY) SYM OSE MITE ON DE	DET MED NIVE () -	ST MBIG IS IN TRN	ALT EM	
н-нано	Laladac	ADVANCED PROCESSOR ARCHITECTURE		8.60	logilar La	
2	0402	ADVANCED PROGRAMMING IN C	2	7.80	B+	
3 ₅	0403	OBJECT ORIENTED PROGRAMMING	4	7.40	В+	
4	0404	WEB DEVELOPMENT USING CMS	2	9.00	A +	
5	0405	INTRODUCTION TO DESIGN PATTERNS	2	9.40	A+	
	0406	BUSINESS RESEARCH METHODOLOGY	ne S 2	8.40	A	



(Established under Section 3 of the USC Act, 1956)
Gram: Lavale, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI P.R.No. : 17030121009 Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS
Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE
Faculty : COMPUTER STUDIES

	COURSE CODE	DEF MED NIVE SITY SYMBIC SIN TITLE OF UTHE COURSE AND ALLEMEDICATE MY		GRADE POINTS	
7	0407	SERVICE LEARNING	4	8.00	A
8	0408	CURRENT TRENDS AND PRACTICES IN IT	S MBIO 3 MTE	9.00	A +
9	0409	PROJECT (TY) - SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY) - SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)	3	9.00	A +
10	0411	UNDERSTANDING CINEMA	2	9.00	A+
eme:	ster 4	Credits 26 Grade Point Average: 8	.46	DEEMED UNIVERSIT	Y) - SYMBIOSIS II
C.	umulative	CGPA: 8	.120	UNIT RST SY	MB ISIS TER
T (DEEME	UNIVERSITY) SYMP	OS SEMESTER : U.5 ERSEN-SYMBIONS INTERNATIONAL (DEFINE UNIVERSITY SYMBIOSIS A TERMATIONAL PER	WED UNIVERSITY	SIN ISIOSIS INTE	NATIONAL (OC
ED UNIV	0501	INTRODUCTION TO SOFTWARE PROJECTS	2	7.80	В+
2	0502	INTRODUCTION TO BEST PROGRAMMING PRACTICES	4	8.40	A
3	0503	INTRODUCTION TO JAVA ENTERPRISE FRAMEWORK	2	8.00	A
4 s	0504	INFORMATION SECURITY	2	6.80	В
5	0505	VERIFICATION AND VALIDATION TECHNIQUES	4	6.60	В
6	0506	HUMAN COMPUTER INTERACTION	2	7.00	B+
7	0507	FOUNDATIONS OF DATA WAREHOUSING AND DATA MINING	4	6.80	B
8	0508	DISSERTATION PANAL MA DEE ED (TYPESH ESS BIOS BY CHARLOS LID EME IN (ESTY) - MA	2	7.00	B+



(Established under Section 3 of the USC Act, 1956)
Gram: Lavale, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI P.R.No. : 17030121009 Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS
Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE
Faculty : COMPUTER STUDIES

NIVEL ITY) SYM OSE VTERNA ON				
SR. COURSE NO. CODE	DE TED NIVE STY STABLE SIN TITLE OF THE COURSES AND ALL EMED LIVE STY	The state of the s	GRADE POINTS	2000
9 0511	DISTRIBUTED COMPUTING	2	6.40	В
10 0512	NETWORK PLANNING AND DESIGN	2	7.20	B+
Semester 5	Credits 26 Grade Point Average: 7.	21		
Cumulative	Credits 126 Credits 126 CGPA: 7.	933		
SYMBOSS INTERVATIONAL DESME	SEMESTER: 6	INTERNATION	AL (BEENZED UNIVE	EE THE AMERIC
1 0601	INTRODUCTION TO E-BUSINESS	2	8.00	I - S A BIOSIS INTE
2 0602	ENTERPRISE APPLICATION DEVELOPMENT USING JAVA EE	4	8.00	A
3 0603	INFORMATION TECHNOLOGY AND REGULATORY COMPLIANCE	2	8.00	A
4 0604	PROJECT AND ON HOE RED SES NA MORE IS BY AND ALL HEM DURY BY BY BY OSE HER DAME HOE HELD	8	8.40	A
5 0607	INTRODUCTION TO CLOUD COMPUTING	4	8.00	A ^{SS} ITE
6 0608	INTRODUCTION TO VULNERABILITY ASSESSMENT PENETRATION TESTING	4	7.00	B+
Semester 6	Credits 24 Grade Point Average: 7.	96	O AL (CED LI	VERSITY SYL



(Established under Section 3 of the UGC Act, 1956)
Gram: Lavale, Taluka: Mulshi, Dist: Pune - 412 115.
Website: www.siu.edu.in, e-mail: coe@siu.edu.in, Tel: 28116223.
Re-accredited by NAAC with 'A' Grade (3.58/4) I Awarded Category - I by UGC

Student's Name : ATHARVA JADHAV

Father's Name : VIKAS

Mother's Name : SHUBHANGI
P.R.No. : 17030121009
Period of the programme :2017-20

Degree : BACHELOR OF COMPUTER APPLICATIONS

Inst./Dept. : SYMBIOSIS INSTITUTE OF COMPUTER STUDIES & RESEARCH, PUNE

Faculty : COMPUTER STUDIES

SR. COURSE TITLE OF THE COURSE CRED GRADE LETTER
NO. CODE FORMULE FOR THE COURSE CRED GRADE CRED GRADE

TOTAL CREDITS : 150

CUMULATIVE GRADE POINT AVERAGE: 7.93 OUT OF 10.0

Sellutale

MODE OF DELIVERY : REGULAR

CONTROLLER OF EXAMINATIONS

DATE: 02 NOVEMBER 2022

SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

- 1. Medium of instructions, evaluations and examinations: English.
- One credit is equivalent to 15 hours of teaching.
- 3. Each semester of a full time degree programme consists of minimum 90 actual teaching days excluding examinations.

4. Award of Grade for Course:

The assessment of the student for each course is based on the relative performance of the student compared to the class average will carry a grade C+ (Table-I). The assessment of the students for each course is based on the relative performance (Table-II & III). The assessment of the students for each course is based on the absolute marking (Table-IV & V).

For all the courses a student is required to pass both continuous and term end exams separately. The Grade Point will not get reflected on the Grade Sheet if the student has failed in any course. F Grade will be shown in these cases.

Tables: Distribution of Grades and associated Grade Points

Grade	Weight	Weightage Spread		Weightage Shread	Grade Point	100000	le Point Spread	
	100000 0 0000	From	To	(GP)	From	To		
A+	1.240	1.240 & above		4.0				
Α	1.190	1.175	1.239	3.7	3.70	3.99		
A-	1.160	1.140	1.174	3.4	3.40	3.69		
B+	1.120	1.100	1.139	3.2	3.20	3.39		
В	1.080	1.060	1.099	3.0	3.00	3.19		
B-	1.040	1.020	1.059	2.8	2.80	2.99		
C+	1.000	0.975	1.019	2.6	2.60	2.79		
C	0.950	0.925	0.974	2.4	2.40	2.59		
C-	0.900	0.875	0.924	2.2	2.20	2.39		
D+	0.850	0.825	0.874	2.0	2.00	2.19		
D	0.800	0.750	0.824	1.8	1.80	1.99		
D-	0.700	0.700	0.749	1.6	1.60	1.79		
F					N.			

Table - II (Batches 2012 to 2014)					
Letter Grade	Proportion	Grade Point			
A+	6%	4.000			
Α	10%	3.714			
B+	15%	3.429			
В	19%	3.143			
C+	19%	2.857			
С	15%	2.571			
D+	10%	2.286			
D	6%	2.000			
F		0			

Minimum CGPA 2.000 Score below absolute 40% 'FAIL'

Table -	III
(Batches 2015	onwards)

Letter Grade	Proportion	Grade Point			
0	3%	10			
A+	12%	9			
A	21%	8			
B+	28%	7			
В	21%	6			
C	12%	5			
P	3%	4			
F	Š.	0			
AB		0			

Minimum CGPA 4.00 Score below absolute 40% 'FAIL'

Table – IV (For courses based on Absolute Marking)				
Percentage Range	Letter Grade	Grade Point		
90% and above	0	10		
80% to 89.99%	A+	9		
70% to 79.99%	A	8		
60% to 69.99%	B+	7		
50% to 59.99%	В	6		
45% to 49.99%	C	5		
40% to 44.99%	P	4		
Below 40%	F	0		

Minimum CGPA 4.00

Table – V (For SSPAD B. Arch Programme)						
Grade	Marks	Grade Point	Class			
P	50 - 54.99	5.75	Pass Class			
D	55 - 59.99	6.25	Second Class			
С	60 - 64.99	6.75	Higher Second Class			
C+	65 - 69.99	7.25	First Class			
В	70 - 74.99	7.75	First Class			
B+	75 - 79.99	8.25	First Class			
A	80 - 84.99	8.75	First Class with Distinction			
A+	85 - 89.99	9.25	First Class with Distinction			
0	90 and above	9.75	First Class with Distinction			

Minimum CGPA 5.75

5. Award of Degree / Diploma:

The University awards a degree/diploma to the student who has achieved a minimum CGPA as per the relevant table applicable to the batch.

- Rank of a student in the class is not calculated.
- & Passed with grace marks (Rule 6.1)
 - # Passed with condonation (Rule 6.2)
- 8. CGPA to Percentage Conversion: CGPA obtained / Total CGPA of the Programme * 100
- 9. Conversion of CGPA to Percentage marks for B. Arch. Programme: CGPA = (Percentage of Marks / 10) + 0.75