

UNIVERSITY OF MUMBAI



Syllabus for T.Y.B.Sc.

Programme: B.Sc.

Course: Information Technology

(Choice Based Credit System)

(To be implemented from the Academic year 2018-2019)

Semester – 5			
Course Code	Course Type	Course Title	Credits
USIT501	Skill Enhancement Course	Software Project Management	2
USIT502	Skill Enhancement Course	Internet of Things	2
USIT503	Skill Enhancement Course	Artificial Intelligence	2
USIT504	Discipline Specific Elective (Any One)	Advanced Web Programming	2
USIT505		Linux System Administration	
USIT506	Discipline Specific Elective (Any One)	Enterprise Java	2
USIT507		Next Generation Technologies	
USIT5P1	Skill Enhancement Course Practical	Project Report	2
USIT5P2	Skill Enhancement Course Practical	Internet of Things Practical	2
USIT5P3	Skill Enhancement Course Practical	Artificial Intelligence Practical	2
USIT5P4	Discipline Specific Elective Practical (Any One)*	Advanced Web Programming Practical	2
USIT5P5		Linux Administration Practical	
USIT5P6	Discipline Specific Elective Practical (Any One)*	Enterprise Java Practical	2
USIT5P7		Next Generation Technologies Practical	
Total Credits			20

Semester – 6			
Course Code	Course Type	Course Title	Credits
USIT601	Skill Enhancement Course	Software Testing	2
USIT602	Skill Enhancement Course	Security in Computing	2
USIT603	Skill Enhancement Course	Business Intelligence	2
USIT604	Discipline Specific Elective (Any One)	Geographic Information Systems	2
USIT605		Enterprise Networking	
USIT606	Discipline Specific Elective (Any One)	IT Service Management	2
USIT607		Cyber Laws	
USIT6P1	Skill Enhancement Course Practical	Project Viva Voce	2
USIT6P2	Skill Enhancement Course Practical	Security in Computing Practical	2
USIT6P3	Skill Enhancement Course Practical	Business Intelligence Practical	2
USIT6P4	Discipline Specific Elective Practical (Any One)*	Geographic Information Systems	2
USIT6P5		Enterprise Networking Practical	
USIT6P6	Skill Enhancement Course Practical	Advanced Mobile Programming	2
Total Credits			20

B. Sc (Information Technology)		Semester – VI	
Course Name: Project Viva – Voce		Course Code: USIT6P1	
Periods per week 1 Period is 50 minutes	Lectures per week	3	
		Hours	Marks
Evaluation System	Examination	2½	150

CHAPTER 5: IMPLEMENTATION AND TESTING

5.1 Implementation Approaches

5.2 Coding Details and Code Efficiency

5.2.1 Code Efficiency

5.3 Testing Approach

5.3.1 Unit Testing

5.3.2 Integrated Testing

5.3.3 Beta Testing

5.4 Modifications and Improvements

5.5 Test Cases

CHAPTER 6: RESULTS AND DISCUSSION

6.1 Test Reports

6.2 User Documentation

CHAPTER 7: CONCLUSIONS

7.1 Conclusion

7.1.1 Significance of the System

7.2 Limitations of the System

7.3 Future Scope of the Project

NEWS PORTAL SYSTEM

**A PROJECT REPORT
SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS OF THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE
(INFORMATION AND TECHNOLOGY)**

**BY
MR. ABHIJIT ASHOK SALISTEKAR
TIT23003**

**UNDER THE ESTEEMED GUIDANCE OF
MR. PROF SHRINIVAS DUDGAL
HEAD OF DEPARTMENT**

MRS. PROF NEHA PATIL



DEPARTMENT OF INFORMATION TECHNOLOGY

**S.I.C.E.S DEGREE COLLEGE
(AFFILIATED TO UNIVERSITY OF MUMBAI)
AMBERNATH, 421505
MAHARASHTRA**

2023 - 2024

News portal System

News portal System

A Project Report

Submitted in partial fulfilment of the

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By

Mr. Abhijit Ashok Salistekar

TIT23003

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Head of Department

Mrs. Prof Neha Patil



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MAHARASHTRA

2023-2024



S.I.C.E.S Degree College Of Arts, Science & Commerce

JambhulPhata, Chikhholi, KalyanBadlapur Road, Ambermath(w)-421505

Affiliated to University Of Mumbai

CERTIFICATE

This is to certify that Mr. Abhijit Ashok Salistekar of B.Sc. (I.T.) degree (Semester-V) Examination has completed the Practical/Journals in the subject of during the academic year 2023-2024 under the guidance of Prof. Shrinivas Dudgal being the partial requirement for the fulfilment of the curriculum of Degree of Bachelor of Science in Information Technology, University of Mumbai.

Signature of Internal Guide

Signature

HOD / In-charge / Coordinator

Signature of External Examiner

College Seal



**A PROJECT REPORT
ON
ARTIFICIAL INTELLIGENCE USING PYTHON**

**SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS OF THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE
(INFORMATION AND TECHNOLOGY)**

**BY
MR.SAGAR RAJENDRA YEDDULA
TYIT-23009**

**UNDER THE ESTEEMED GUIDANCE OF
MR. PROF SHRINIVAS DUDGAL**



**DEPARTMENT OF INFORMATION TECHNOLOGY
S.I.C.E.S DEGREE COLLEGE AMBERNATH
(AFFILIATED TO UNIVERSITY OF MUMBAI)**

2023-2024

Artificial Intelligence Using Python

A Project report on

Artificial Intelligence Using Python

Submitted in partial fulfilment of the

Requirements for the award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

BY

MR.Sagar Rajendra Yeddula

TYIT-23009

Under the esteemed guidance of

Prof.Shrinivas Dudgal



DEPARTMENT OF INFORMATION TECHNOLOGY

S.I.C.E.S Degree College Ambernath

(Affiliated to University of Mumbai)

2023-2024

Artificial Intelligence Using Python



S.I.C.E.S Degree College Of Arts, Science & Commerce
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Affiliated to University Of Mumbai

Certificate

This is to certify that Sagar Rajendra Yeddula_of B.Sc.(I.T.) degree (Semester-VI) Examination has completed the Practical/Journals in the subject of during the academic year 2023-2024 under the guidance of prof. Shrinivas Dudgal being the partial requirement for the fulfilment of the curriculum of Degree of Bachelor of Science in Information Technology, University of Mumbai.

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VIRTUAL MOUSE USING PYTHON

A PROJECT REPORT

**SUBMITTED IN PARTIAL FULFILMENT OF THE
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BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

BY

MR. JAGDISHWAR SADGURU SWAMI

TIT23007

UNDER THE ESTEEMED GUIDANCE OF

MR. PROF SHRINIVAS DUDGAL

MRS. PROF NEHA PATIL



DEPARTMENT OF INFORMATION TECHNOLOGY

S.J.C.E.S DEGREE COLLEGE AMBERNATH

(AFFILIATED TO UNIVERSITY OF MUMBAI)

2023-2024

VIRTUAL MOUSE USING PYTHON

A project report

Submitted in partial fulfilment of the
Requirements of the award of the degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Mr. Jagdishwar Sadguru Swami

TIT23007

Under the esteemed guidance of

Mr. Prof Shrinivas Dudgal Mrs. Prof Neha Patil



DEPARTMENT OF INFORMATION TECHNOLOGY

S.I.C.E.S Degree College Ambarnath

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2023-2024



S.I.C.E.S Degree College of Arts, Science & Commerce

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Affiliated to University of Mumbai

Certificate

This is to certify that Jagdishwar Sadguru Swami of B.Sc. (IT) degree (Semester-VI) Examination has completed the Practical/Journals in the subject of during the academic year 2023-2024 under the guidance of Prof. Shrinivas Dudgal being the partial requirement for the fulfilment of the curriculum of Degree of Bachelor of Science in Information Technology, University of Mumbai

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"E- RTO MANAGEMENT SYSTEM"

A PROJECT REPORT

**SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

BY

IMRAN SHAIKH

TYIT-23013

UNDER THE ESTEEMED GUIDANCE OF

PROF. NEHA NERKAR

HEAD OF DEPARTMENT

MR. PROF SHRINIVAS DUDGAL.



DEPARTMENT OF INFORMATION TECHNOLOGY

S.I.C.E.S DEGREE COLLEGE AMBERNATH

(AFFILIATED TO UNIVERSITY OF MUMBAI)

2023-2024

“E- RTO MANAGEMENT SYSTEM”

A Project report

**Submitted in partial fulfilment of the
Requirements for the award of the Degree of
BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

BY

Imran shaikh

TYIT-23013

Under the esteemed guidance of

Prof. Neha nerkar

Head of Department

Mr. Prof Shrinivas Dudgal



DEPARTMENT OF INFORMATION TECHNOLOGY

S.I.C.E.S Degree College Ambarnath

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2023-2024



S.I.C.E.S Degree College Of Arts, Science & Commerce
JambhulPhata, Chikhholi, KalyanBadlapur Road, Ambarnath(w)-421505 Affiliated to University Of
Mumbai

Certificate

This is to certify that the Imran Shaikh Roll no:-TIT-23013 of TY.B.Sc.(I.T) (Semester- VI) Examination has completed the Case Study in the subject of E-Rto Management System during the academic year 2023-24 under the guidance of Mrs. Srinivas Dudgal being the partial requirement for the fulfillment of the curriculum of Degree of Bachelor of Science in Information Technology University of Mumbai.

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**SUBMITTED IN PARTIAL FULFILMENT OF THE
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BACHELOR OF SCIENCE
(INFORMATION AND TECHNOLOGY)**

**BY
MR.ARSALAN.SHAIKH
TYIT-23008**

**UNDER THE ESTEEMED GUIDANCE OF
MR. PROF SHRINIVAS DUDGAL**



**DEPARTMENT OF INFORMATION TECHNOLOGY
S.I.C.E.S DEGREE COLLEGE AMBERNATH
(AFFILIATED TO UNIVERSITY OF MUMBAI)**

2023-2024

Artificial Intelligence Using Python

A Project report

on

Artificial Intelligence Using Python

Submitted in partial fulfilment of the

Requirements for the award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

BY

MR.ARSALAN.SHAIKH

TYIT-23008

Under the esteemed guidance of

Prof.Shrinivas Dudgal



DEPARTMENT OF INFORMATION TECHNOLOGY

S.I.C.E.S Degree College Ambarnath

(Affiliated to University of Mumbai)

2023-2024

Artificial Intelligence Using Python

Artificial Intelligence Using Python



S.I.C.E.S Degree College Of Arts, Science & Commerce

Jambhul Phata, Chikholi, Kalyan Badlapur Road, Ambarnath (W)-421505
Affiliated to University Of Mumbai

Certificate

This is to certify that Arsalan shaikh of B.Sc.(I.T.) degree (Semester-VI) Examination has completed the Practical/Journals in the subject of during the academic year 2023-2024 under the guidance of prof. Shrinivas Dudgal being the partial requirement for the fulfilment of the curriculum of Degree of Bachelor of Science in Information Technology, University of Mumbai.

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