SU/BOS/Science/   Date: **2 1 JUN 2022**
                                                No 0 0 7 3 5

To,
The Principal,
All Concerned Affiliated Science Colleges/Institutions
Shivaji University, Kolhapur.

       Subject: Minor Chauge in syllabi of B. Sc. IT Part – III Information Technology (Entire)
                (Semester-VI) degree programme under the Faculty of Science and Technology.

Sir/Madam,

       With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the Minor Chauge in syllabi of B. Sc. IT Part – III Information Technology (Entire) (Semester-VI) under the Faculty of Science and Technology.

       This Cousre syllabi shall be implemented from the Second term of Academic Year 2020-2021 onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in (students Online Syllabus)

       You are, therefore, requested to bring this to the notice of all students and teachers concerned.

       Thanking you,

                                                  Yours faithfully,

                                                  Dy Registrar

Copy to:

1	The Dean, Faculty of Science & Technology	7	Appointment Section
2	Director, Board of Examinations and Evaluation	8	P.G.Seminar Section
3	The Chairman, Respective Board of Studies	9	Computer Centre (I.T.)
4	B.Sc. Exam	10	Affiliation Section (U.G.)
5	Eligibility Section	11	Affiliation Section (P.G.)
6	O.E. I Section	12	P.G.Admission Section

B.Sc. Part - III

Information Technology (Entire)

SEMESTER – V AND VI

(Syllabus to be implemented from June, 2020 onwards.)

Semester-VI		
Title of Paper	**Work load**	**Course Code**
Computer Networks	4	DSE-601
Artificial Intelligence	4	DSE-602
ASP.NET	4	DSE-603
Advance Java	4	DSE-604
PHP MySQL	4	DSE-605
English for Communication	4	AECC-F

B.Sc. Part –III Information Technology - Entire (Semester– VI)

Course Code: DSE -602

Course Title: Artificial Intelligence

Total Contact Hours: 36 Hrs. (45 lectures of 48 minutes each)

Teaching Scheme: Theory: 4 lectures/ Week, Practical: 0, Credits: 02

Evaluation pattern: Theory 40; internal evaluation 10; Total Marks: 50

Course Outcomes: At the end of this course, student will be able to

1. Identify problems where artificial intelligence techniques are applicable
2. Apply selected basic AI techniques; judge applicability of more advanced techniques.
3. Participate in the design of systems that act intelligently and learn from experience

UNIT	CONTENTS	HOURS ALLOTTED
I.	Introduction to AI: Introduction, History of AI, AI Problems, AI Techniques, Expert System, Problems of Expert System Heuristics Search Techniques: Generate and Test, Hill Climbing, Depth First Search, Travelling Salesman problem	18
II	Knowledge representation Logic programming : Overview of Propositional and Predicate logic, representation, connectives, literals, CNF, DNF and clause form, interpretation and modeling, resolution principle and unification algorithms.	18

References:

1. Artificial Intelligence- A Modern Approach , Stuart J. Russell and Peter Norvig
2. The McGraw-Hill Companies-Artificial Intelligence, Elaine Rich, Kevin Knight, Shivashankar B Nair
3. Artificial Intelligence, Patrick Henry Winston

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B.Sc. Computer Science Entire Part-III

Course Code-AECC-E

English Paper-III

English for Communication-III

Pattern of Question Paper

Semester- V   **Total Marks- 40**

Q.No.	Types Of Question	Based On	Marks
Q.1	Eight multiple choice questions with four alternatives to be set	Unit-1 To Unit-4	08
Q.2	Question to be set on Unit-1 (A or B)	Unit-1	08
Q.3	Question to be set on Unit-2 (A or B)	Unit-2	08
Q.4	Question to be set on Unit-3 (A or B)	Unit-3	08
Q.5	Question to be set on Unit-4 (A or B)	Unit-4	08

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B.Sc.Computer Science Entire Part-III

Course Code-AECC-F

English Paper-IV

English for Communication-IV

Pattern of Question Paper

Semester- VI   Total Marks- 40

Q. No.	Types Of Question	Based On	Marks
Q.1	Eight multiple choice questions with four alternatives to be set	Unit-5 To Unit-8	08
Q.2	Question to be set on Unit-5 (A or B)	Unit-5	08
Q.3	Question to be set on Unit-6 (A or B)	Unit-6	08
Q.4	Question to be set on Unit-7 (A or B)	Unit-7	08
Q.5	Question to be set on Unit-8 (A or B)	Unit-8	08