

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

## Artificial Intelligence and Machine Learning (AI)

## Scheme of Teaching and Examinations

## Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2018 - 19)

## V SEMESTER

| SEMESTER |                        |         |  |  |                      |          |                   |                   |           |           |             |         |
|----------|------------------------|---------|--|--|----------------------|----------|-------------------|-------------------|-----------|-----------|-------------|---------|
| Sl. No   | Course and Course code |         | Course Title                                   | Teaching Department                      | Teaching Hours /Week |          |                   | Examination       |           |           |             | Credits |
|          |                        |         |  |  | Theory Lecture       | Tutorial | Practical Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks |         |
|          |                        |         |  |  |                      |          |                   |                   |           |           |             |         |
| 1        | HSMC                   | 18CS51  | Management and Entrepreneurshipfor IT Industry | HSMC                                     | 2                    | 2        | --                | 03                | 40        | 60        | 100         | 3       |
| 2        | PCC                    | 18AI52  | Python Programming                             | CS / IS / AI                             | 3                    | 2        | --                | 03                | 40        | 60        | 100         | 4       |
| 3        | PCC                    | 18CS53  | Database Management System                     | CS / IS / AI                             | 3                    | 2        | --                | 03                | 40        | 60        | 100         | 4       |
| 4        | PCC                    | 18CS54  | Automata Theory and Computability              | CS / IS / AI                             | 3                    | --       | --                | 03                | 40        | 60        | 100         | 3       |
| 5        | PCC                    | 18AI55  | Principles of Artificial Intelligence          | CS / IS / AI                             | 3                    | --       | --                | 03                | 40        | 60        | 100         | 3       |
| 6        | PCC                    | 18AI56  | Mathematics for Machine Learning               | CS / IS / AI                             | 3                    | --       | --                | 03                | 40        | 60        | 100         | 3       |
| 7        | PCC                    | 18AIL57 | Artificial Intelligence Laboratory             | CS / IS / AI                             | --                   | 2        | 2                 | 03                | 40        | 60        | 100         | 2       |
| 8        | PCC                    | 18CS55  | DBMS Laboratory with mini project              | CS / IS / AI                             | --                   | 2        | 2                 | 03                | 40        | 60        | 100         | 2       |
| 9        | HSMC                   | 18CIV59 | Environmental Studies                          | Civil/ Environmental                     | 1                    | --       | --                | 02                | 40        | 60        | 100         | 1       |
|          |                        |         |  | [Paper setting: Civil Engineering Board] |                      |          |                   |                   |           |           |             |         |
| TOTAL    |                        |         |  |  | 18                   | 10       | 4                 | 26                | 360       | 540       | 900         | 25      |

Note: PCC: Professional Core, HSMC: Humanity and Social Science.

**AICTE activity Points:** In case students fail to earn the prescribed activity Points, eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

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 Head of the Department  
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