

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016 (Approved)

B.E. Biomedical Engineering

III SEMESTER

| Sl. No | Subject Code | Title | Teaching Dept. | Teaching Hours /Week | | Examination | | | | Credits |
|--------------|--------------|---------------------------------------------|----------------|----------------------|-----------------------|-------------|-------------------------------|---------------|----------------|-----------|
| | | | | Theory | Practical/ Drawing | Duration | Theory/ Practical Marks | I.A. Marks | Total Marks | |
| 1 | 15MAT31 | Engineering Mathematics-III | Mathematics | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 2 | 15BM32 | Electronic Instrumentation and Measurements | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 3 | 15BM33 | Analog Electronic Circuits | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 4 | 15BM34 | Digital Design and HDL | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 5 | 15BM35 | Human Anatomy and Physiology | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 6 | 15BM36 | Network Analysis * | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 7 | 15BML37 | Analog Electronic Circuits Lab | BM | - | 1I+2P | 03 | 80 | 20 | 100 | 2 |
| 8 | 15BML38 | Digital Design and HDL Lab | BM | - | 1I+2P | 03 | 80 | 20 | 100 | 2 |
| TOTAL | | | | 24 | 6 | 24 | 640 | 160 | 800 | 28 |

1. Core Subject: This is the course which is compulsorily need to be studied by the student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Foundation Course * : The courses based upon the content that leads to Knowledge enhancement.

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IV SEMESTER

| Sl. No | Subject Code | Title | Teaching Dept. | Teaching Hours /Week | | Examination | | | | Credits |
|--------------|--------------|---------------------------------------------------|----------------|----------------------|-----------------------|-------------|----------------------------|------------|-------------|-----------|
| | | | | Theory | Practical/ Drawing | Duration | Theory/ Practical Marks | I.A. Marks | Total Marks | |
| 1 | 15MAT41 | Engineering Mathematics-IV | Mathematics | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 2 | 15BM42 | Signal Conditioning and Data Acquisition Circuits | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 3 | 15BM43 | Embedded Controllers | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 4 | 15BM44 | Control Systems | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 5 | 15BM45 | Biomedical Transducers and Measurements | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 6 | 15BM46 | Scientific and Analytical Instrumentation * | BM | 04 | - | 03 | 80 | 20 | 100 | 4 |
| 7 | 15BML47 | Embedded Controllers Lab | BM | - | 1I+2P | 03 | 80 | 20 | 100 | 2 |
| 8 | 15BML48 | Biomedical Transducers and Measurements Lab | BM | - | 1I+2P | 03 | 80 | 20 | 100 | 2 |
| TOTAL | | | | 24 | 06 | 24 | 640 | 160 | 800 | 28 |

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