

U.P. TECHNICAL UNIVERSITY, LUCKNOW

STUDY & EVALUATION SCHEME

YEAR IV, SEMESTER – VII

**B. Tech. (1) Instrumentation and Control Engineering (2) Applied Electronics & Instrumentation
(3) Electronics and Instrumentation (4) Electronic Instrumentation and Control and (5)
Instrumentation Engineering**

| S. No. | Course Code | Subject | PERIODS | | | Evaluation Scheme | | | Subject Total | |
|------------------------------------|-------------|-----------------------------|-----------|----------|----------|-------------------|----------|----------|---------------|-------------|
| | | | | | | SESSIONAL EXAM | | ESE | | |
| | | | L | T | P | CT | TA | | | Total |
| THEORY | | | | | | | | | | |
| 1 | | Open Elective | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 2 | TIC 701 | Biomedical Instrumentation | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 3 | TIC 702 | Digital Control Engineering | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 4 | | Elective – I | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 5 | | Elective – II | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| PRACTICAL/ TRAINING/PROJECT | | | | | | | | | | |
| 6 | TIC 751 | Instrumentation Lab. | 0 | 0 | 2 | - | 20 | 20 | 30 | 50 |
| 7 | TIC 752 | Seminar | 0 | 0 | 2 | - | 50 | 50 | - | 50 |
| 8 | TIC 753 | Industrial Interaction | 0 | 0 | 2 | - | 50 | 50 | - | 50 |
| 9 | TIC 754 | Project | 0 | 0 | 2 | - | 50 | 50 | - | 50 |
| 10 | GP 701 | General Proficiency | - | - | - | - | 50 | 50 | - | 50 |
| | | TOTAL | 15 | 5 | 8 | - | - | - | - | 1000 |

Note: 4 to 6 weeks industrial training after VI semester exam to be evaluated in VII semester.

YEAR IV, SEMESTER – VIII

| S. No. | Course Code | Subject | PERIODS | | | Evaluation Scheme | | | Subject Total | |
|------------------------------------|-------------|--------------------------------|-----------|----------|-----------|-------------------|----------|----------|---------------|-------------|
| | | | | | | SESSIONAL EXAM | | ESE | | |
| | | | L | T | P | CT | TA | | | Total |
| THEORY | | | | | | | | | | |
| 1 | TIC 801 | Optimal Control | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 2 | TIC 802 | Digital Measurement Techniques | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 3 | | Elective – III | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| 4 | | Elective – IV | 3 | 1 | 0 | 30 | 20 | 50 | 100 | 150 |
| PRACTICAL/ TRAINING/PROJECT | | | | | | | | | | |
| 6 | TIC 851 | Project* | 0 | 0 | 12 | - | 100 | 100 | 250 | 350 |
| 7 | GP 801 | General Proficiency | - | - | - | - | 50 | 50 | - | 50 |
| | | TOTAL | 12 | 4 | 12 | - | - | - | - | 1000 |

*** Out of 12 periods, 2 period per week should be allotted for interaction of group with project guide and 10 periods per week should be allotted for self studies and project work.**