

BABU BANARASI DAS UNIVERSITY, LUCKNOW

B. Sc. (Hons.) Electronics Science

COURSE STRUCTURE (Under CBCS)

(Effective 2021-22 and after)

| Course Category | Course Code | Course Name | Practical | | Theory | | Evaluation (Lab/Assignment/Class/Exam) | | Total | Credits |
|-----------------------|-------------|-------------------------------------------|-----------|---|--------|----|----------------------------------------|----|-------|---------|
| | | | T | P | Th | Pr | Th | Pr | | |
| SEMESTER – I | | | | | | | | | | |
| Core | BSL 101 | Basic Circuit Theory and Network Analysis | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 102 | Mathematical Foundations for Electronics | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| GE | | General Elective - I | | | | | | | | 6 |
| AAEC | BSL 103 | Communicative English | 2 | - | 40 | 40 | - | - | 80 | 2 |
| GP | BSGP1 | General Proficiency | - | - | - | - | 100 | - | 100 | 1 |
| 20 | | | | | | | | | | |
| SEMESTER – II | | | | | | | | | | |
| Core | BSL 104 | Semiconductor Devices | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 105 | Applied Physics | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| GE | | General Elective - II | | | | | | | | 6 |
| AAEC | BSL 106 | Communicative English | 2 | - | 40 | 40 | - | - | 80 | 2 |
| GP | BSGP2 | General Proficiency | - | - | - | - | 100 | - | 100 | 1 |
| 20 | | | | | | | | | | |
| SEMESTER – III | | | | | | | | | | |
| Core | BSL 107 | Electronic Circuits | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| Core | BSL 108 | Digital Electronics | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 109 | C Programming and Data Structures | 4 | - | 40 | 40 | 20 | 20 | 100 | 6 |
| GE | | General Elective - III | | | | | | | | 6 |
| AAEC | | Self-Enrichment Course - I | | | | | | | | 2 |
| GP | BSGP3 | General Proficiency | - | - | - | - | 100 | - | 100 | 1 |
| 27 | | | | | | | | | | |
| SEMESTER – IV | | | | | | | | | | |
| Core | BSL 110 | Operational Amplifiers and Applications | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 111 | Signals & Systems | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| Core | BSL 112 | Electronic Instrumentation | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| GE | | General Elective - IV | | | | | | | | 6 |
| AAEC | | Self-Enrichment Course - II | | | | | | | | 2 |
| GP | BSGP4 | General Proficiency | - | - | - | - | 100 | - | 100 | 1 |
| 27 | | | | | | | | | | |
| SEMESTER – V | | | | | | | | | | |
| Core | BSL 113 | Microprocessors and Microcontrollers | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 114 | Communications | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| GE | | Elective Specific Elective - I | | | | | | | | 6 |
| GE | | Elective Specific Elective - II | | | | | | | | 6 |
| Lab | BSL 115 | Project | - | - | - | - | 100 | - | 100 | 2 |
| 26 | | | | | | | | | | |
| SEMESTER – VI | | | | | | | | | | |
| Core | BSL 116 | Communication Electronics | 4 | 4 | 40 | 40 | 20 | 20 | 100 | 6 |
| Core | BSL 117 | Processes | 4 | 4 | 40 | 40 | - | - | 80 | 6 |
| GE | | Elective Specific Elective - III | | | | | | | | 6 |
| GE | | Elective Specific Elective - IV | | | | | | | | 6 |
| Lab | BSL 118 | Final Year | - | - | - | - | 100 | - | 100 | 2 |
| 26 | | | | | | | | | | |