


**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**
**DEPARTMENT OF MINING ENGINEERING**
**COURSE STRUCTURE - R19**
**I Year – I SEMESTER**

| Sl. No               | Course Code | Subjects                                    | L         | T        | P         | Credits   |
|----------------------|-------------|---|-----------|----------|-----------|-----------|
| 1                    | BS1101      | Mathematics – I                             | 3         | 0        | 0         | 3         |
| 2                    | BS1102      | Mathematics – II                            | 3         | 0        | 0         | 3         |
| 3                    | BS1110      | Engineering Chemistry                       | 3         | 0        | 0         | 3         |
| 4                    | ES1101      | Programming for Problem Solving Using C     | 3         | 0        | 0         | 3         |
| 5                    | ES1104      | Engineering Mechanics                       | 3         | 0        | 0         | 3         |
| 6                    | HS1102      | English Lab                                 | 0         | 0        | 2         | 1         |
| 7                    | BS1111      | Engineering Chemistry Laboratory            | 0         | 0        | 3         | 1.5       |
| 8                    | ES1102      | Programming for Problem Solving Using C Lab | 0         | 0        | 3         | 1.5       |
| 9                    | MC1101      | Environmental Studies                       | 3         | 0        | 0         | 0         |
| <b>Total Credits</b> |             |   | <b>18</b> | <b>0</b> | <b>08</b> | <b>19</b> |

**I Year – II SEMESTER**

| Sl. No               | Course Code | Subjects                                   | L         | T        | P         | Credits   |
|----------------------|-------------|--|-----------|----------|-----------|-----------|
| 1                    | HS1201      | English                                    | 3         | 0        | 0         | 3         |
| 2                    | BS1203      | Mathematics – III                          | 3         | 0        | 0         | 3         |
| 3                    | BS1208      | Engineering Physics                        | 3         | 0        | 0         | 3         |
| 4                    | ES1206      | Basic Electrical & Electrical Engineering  | 3         | 0        | 0         | 3         |
| 5                    | ES1203      | Engineering Drawing                        | 1         | 0        | 3         | 2.5       |
| 6                    | HS1203      | Communication Skills Lab                   | 0         | 0        | 2         | 1         |
| 7                    | BS1209      | Engineering Physics Lab                    | 0         | 0        | 3         | 1.5       |
| 8                    | ES1208      | Electrical and Electronics Engineering lab | 0         | 0        | 3         | 1.5       |
| 9                    | ES1220      | Engineering Workshop & IT Workshop         | 0         | 0        | 3         | 1.5       |
| 10                   | PR1201      | Engineering Exploration Project            | 0         | 0        | 2         | 1         |
| <b>Total Credits</b> |             |  | <b>13</b> | <b>0</b> | <b>16</b> | <b>21</b> |

**Total = 19 + 21 = 40**

Director (i/e)  
Academic Planning  
JNTUK Kakinada