

Semester –III (Second Year)
Proposed Scheme w.e.f. July – 2021

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|--|---------------------|----------|----------|-------------------|------------|------------|------------|-----------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTBS301 | Engineering Mathematics – III | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC302 | Discrete Mathematics | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC303 | Data Structures | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC304 | Computer Architecture & Organization | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC305 | Elective –I (a) Object - oriented Programming in C++ (b) Object Oriented Programming in Java | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOL306 | Data Structures Lab & Object Oriented Programming Lab | - | - | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOS307 | Seminar – I | - | | 4 | 60 | - | 40 | 100 | 2 |
| | BTES211P | Field Training / Internship / Industrial Training –I Evaluation | - | - | - | - | - | - | - | Audit |
| TOTAL | | | 15 | 5 | 8 | 220 | 100 | 380 | 700 | 24 |

Semester –IV (Second Year)
Proposed Scheme w.e.f. January – 2022

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|--|---------------------|----------|----------|-------------------|------------|------------|------------|---------------------------------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTCOC401 | Design & Analysis of Algorithms | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC402 | Operating Systems | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTHM403 | Basic Human Rights | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTBSC404 | Probability and Statistics | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTES405 | Digital Logic Design & Microprocessors | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOL406 | Operating Systems & Python Programming Lab | 1* | - | 4 | 60 | - | 40 | 100 | 3 |
| | BTCOS407 | Seminar – II | | | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOF408 | Field Training / Internship / Industrial Training –II Evaluation | | | | | | - | - | Audit to be evaluated in V Sem. |
| TOTAL | | | 16 | 3 | 8 | 220 | 100 | 380 | 700 | 23 |

*Note: Lecture should be conducted only for Python Programming

Semester –V (Third Year)**Proposed Scheme w.e.f. July – 2022**

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|--|---------------------|----------|----------|-------------------|------------|------------|------------|-----------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTCOC501 | Database Systems | 3 | 1 | - | 20 | 20 | 20 | 100 | 4 |
| | BTCOC502 | Theory of Computation | 3 | 1 | - | 20 | 20 | 20 | 100 | 4 |
| | BTCOC503 | Software Engineering | 3 | 1 | - | 20 | 20 | 20 | 100 | 4 |
| | BTCOE504 | Elective – II (A) Human computer Interaction (B) Numerical Methods | 3 | - | - | 20 | 20 | 20 | 100 | 3 |
| | BTHM505 | Elective – III (A) Economics and Management (B) Business Communication | 3 | - | - | 20 | 20 | 20 | 100 | 3 |
| | BTCOL506 | Database Systems & Software Engineering Lab | - | - | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOM507 | Mini-project – I | - | - | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOF408 | Field Training / Internship / Industrial Training-II (Evaluation) | - | - | - | - | - | - | - | Audit |
| TOTAL | | | 15 | 3 | 8 | 220 | 100 | 380 | 700 | 22 |

Semester –VI (Third Year)

Proposed Scheme w.e.f. January – 2023

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|--|---------------------|----------|----------|-------------------|------------|------------|------------|-----------------------------------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTCOC601 | Compiler Design | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC602 | Computer Networks | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOC603 | Machine Learning | 3 | 1 | - | 20 | 20 | 60 | 100 | 4 |
| | BTCOE604 | Elective – IV (A) Geographic Information System (B) Internet of Things (C) Embedded Systems | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTHM605 | Elective – V (A) Development Engineering (B) Employability and Skill Development (C) Consumer Behaviour | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTCOL606 | Competitive Programming & Machine Learning Lab | 1* | - | 4 | 60 | - | 40 | 100 | 3 |
| | BTCOM607 | Mini-project – II | - | - | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOF608 | Field Training / Internship / Industrial Training-III | - | - | - | - | - | - | - | Audit to be Evaluated in VII Sem. |
| TOTAL | | | 16 | 3 | 8 | 220 | 100 | 380 | 700 | 23 |

*Note: Lecture should be conducted only for Competitive Programming

Semester –VII (Final Year)
Proposed Scheme w.e.f. July – 2023

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|---|---------------------|----------|----------|-------------------|------------|------------|------------|-----------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTCOC701 | Artificial Intelligence | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTCOC702 | Cloud Computing | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTCOE703 | Elective – VI (A) Bioinformatics (B) Distributed System (C) Big Data Analytics | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTCOE704 | Open Elective – VII (A) Cryptography and Network Security (B) Business Intelligence (C) Block chain Technology | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTCOE705 | Open Elective – VIII (A) Virtual Reality (B) Deep Learning (C) Design Thinking | 3 | - | - | 20 | 20 | 60 | 100 | 3 |
| | BTHM706 | Foreign Language Studies* | - | - | 4 | - | - | - | - | Audit |
| | BTCOL707 | Artificial Intelligence & Cloud Computing Lab | - | - | 4 | 60 | - | 40 | 100 | 2 |
| | BTCOS708 | Project Phase – I | - | - | - | 60 | - | 40 | 100 | 2 |
| | BTCOF608 | Field Training / Internship / Industrial Training –III (Evaluation) | - | - | - | - | - | - | - | Audit |
| TOTAL | | | 15 | - | 8 | 220 | 100 | 380 | 700 | 19 |

*Any Foreign language can be opted by the students as per their need /demand conducted in online or offline mode by the institute.

Semester –VIII (Final Year)
Proposed Scheme w.e.f. January – 2024

| Course Category | Course Code | Course Title | Weekly Teaching Hrs | | | Evaluation Scheme | | | | Credit |
|-----------------|-------------|--|---------------------|----------|-----------|-------------------|----------|-----------|------------|-----------|
| | | | L | T | P | CA | MSE | ESE | Total | |
| | BTCOF801 | Project phase – II (In-house) / Internship and Project in Industry | - | - | 24 | 60 | - | 40 | 100 | 12 |
| TOTAL | | | - | - | 24 | 60 | - | 40 | 100 | 12 |

