**B.Voc. BUSINESS PROCESS AND DATA ANALYTICS**

(For the students admitted from the academic year 2022-23 onwards)

**SCHEME OF EXAMINATIONS**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CODE** | **SUBJECT** | **Hours** | | **Duration of Exam Hours** | **Marks for** | | **Total Marks** | **Credits** |
| **Lecture** | **Practical** | **CIA** | **CEE** |
| **Year I – Semester I** | | | | | | | | |
| 22ECGC11T/M/F/H | **Part I:** Language Paper I-Tamil/Malayalam/French/Hindi**##** | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC12E | **Part II:** English I **##** | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC13A | **Core 1:** Principles of Management and Business Organization | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC13B | **Core 2:** Business Analytics Lab - Practical | - | 6 | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC13C | **Core 3:** Finance and Accounting for Business Process | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC1AA | **Allied 1:** Mathematics for Data Analytics I | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC1FA | **# Value Added 1:** Environmental Studies | 2 | - | 2 | - | 50 | 50 | 2\* |
| 22ECGC16A | **@Internship** | - | 2 | - | 50 | - | 50 | 2^ |
| **Total Credits** | | **28** | **2** |  | | | | **30** |
| **Year I – Semester II** | | | | | | | | |
| 22ECGC 21T/M/F/H | **Part I:** Language Paper II-Tamil/Malayalam/French/Hindi**##** | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC22E | **Part II:** English II **##** | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC23A | **Core 4:** Managing Business Processes | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC23B | **Core 5:** Customer Relationship Management | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC23P | **Core 6:** Computational Finance – Practical | - | 6 | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC2AA | **Allied 2:** Mathematics for Data Analytics II | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC2FA | **# Value Added 2:** Human Rights | 2 | - | 2 | - | 50 | 50 | 2\* |
| 22ECGC26A | **@ Internship** | - | 2 | - | 50 | - | 50 | 2^ |
| **Total Credits** | | **22** | **8** |  | | | | **30** |
| **Year II – Semester III** | | | | | | | | |
| 22ECGC 31T/M/F/H | **Part I:** Language Paper III-Tamil/Malayalam/French/ Hindi**##** | 3 | - | 3 | 50 | 50 | 100 | 3\* |
| 22ECGC32E | **Part II:** English III **##** | 3 | - | 3 | 50 | 50 | 100 | 3\* |
| 22ECGC33A | **Core 7:** Relational Database Management System | 6 | - | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC33B | **Core 8:** Research Methods | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC33P | **Core 9:** Campus to Corporate - Practical | - | 4 | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC3EQ | **AOS1:** Data Analysis using SPSS - Practical | - | 6 | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC3FA | **# Value Added 3:** Yoga for Human Excellence | 2 | - | 2 | - | 50 | 50 | 2\* |
| 22ECGC36A | **@Internship** | - | 2 | - | 50 | - | 50 | 2^ |
| **Total Credits** | | **18** | **12** |  | | | | **30** |
| **Year II – Semester IV** | | | | | | | | |
| 22ECGC 41T/M/F/H | **Part I:** Language Paper IV-Tamil/Malayalam/French/ Hindi**##** | 3 | - | 3 | 50 | 50 | 100 | 3\* |
| 22ECGC42E | **Part II:** English IV **##** | 3 | - | 3 | 50 | 50 | 100 | 3\* |
| 22ECGC43A | **Core 10:** Managerial Economics | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC43B | **Core 11:** Data Visualization for Business Intelligence | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC43P | **Core 12:** R Programming - Practical | - | 6 | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC4AA | **Allied 3:** Insurance for Business Process Services | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC4EA | **AOS 2:** Digital Marketing | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC4FA | **# Value Added 4:** General Awareness | 2 | - | 2 | - | 50 | 50 | 2\* |
| **Total Credits** | | **24** | **6** |  | | | | **30** |
| **Year III – Semester V** | | | | | | | | |
| 22ECGC53A | **Core 13:** Human Resource Management | 4 | - | 3 | 50 | 50 | 100 | 4\* |
| 22ECGC53B | **Core 14:** Organizational Behaviour | 4 | - | 3 | 50 | 50 | 100 | 4^ |
| 22ECGC53C | **Core 15:** Machine Learning for Data Analytics | 6 | - | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC53P | **Core 16:** Python for Data Analytics - Practical | - | 6 | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC5EQ | **AOS 3:** Tally for Accounts - Practical | - | 6 | 3 | 50 | 50 | 100 | 6\* |
| 22ECGC57V | **\*\***Mini Project and Viva Voce | - | 4 | - | 50 | 50 | 100 | 4\* |
| **Total Credits** | | **14** | **16** |  | | | | **30** |
| **Year III – Semester VI** | | | | | | | | |
| 22ECGC63A | **Core 17:** Data Mining and Data Warehousing | 6 | - | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC63B | **Core 18:** Supply Chain Management | 6 | - | 3 | 50 | 50 | 100 | 6^ |
| 22ECGC63C | **Core 19:** Business Ethics and Corporate Social Responsibility | 6 | - | 3 | 50 | 50 | 100 | 6\* |
| 22ECGC63D | **Core 20:** Entrepreneurship Development | 6 | - | 3 | 50 | 50 | 100 | 6\* |
| 22ECGC67V | **\*\***Project and Viva Voce | - | 6 | - | 50 | 50 | 100 | 6^ |
| **Total Credits** | | **24** | **6** |  | | | | **30** |
| **Course total Credits for Three Years** | | | | | | | 3700 | **180** |
| **$-Non-academic credit:** Certificates for ethical social events / sports /competitions/ voluntary activities of the department including (brochure design/photography/student council member/working for seminars & conferences) | | | | | | |  | **2** |
| **Grand Total Credits for Three Years** | | | | | | | | **182** |
| 1 | ***~ NSQF Assessment:*** *Collection Executive (SSC/Q2214)* | | | | | | | |
| 2 | ***~ NSQF Assessment:*** *Associate CRM (SSC/Q2202)* | | | | | | | |
| 3 | ***~ NSQF Assessment:*** *Business Intelligence Analyst - (SSC/Q8102)* | | | | | | | |
| 4 | ***~ NSQF Assessment:*** *Associate Analytics (SSC/Q2101)* | | | | | | | |
| **CIA** | Continuous Internal Assessment | | | | | | | |
| **CEE** | Comprehensive External Examinations | | | | | | | |
| **AOS** | Application Oriented Subject | | | | | | | |
| **\*** | **General Component:** 12 Credits | | | | | | | |
| **^** | **Skill Component:** 18 Credits | | | | | | | |
| **#** | **Value Added:** No Continuous Internal Assessment. Only University Examination. | | | | | | | |
| **@** | **Internship:** No University Examination. Only Continuous Internal Assessment | | | | | | | |
| **$** | **Non-academic credit:** This can be availed by the students at any time during the course of study and it must be completed before 5th semester. Ethical social events includes- Serving as scribe/ environment protection/ road safety/ cleanliness activities/any other service related society & welfare of the citizens (minimum 5 days/ events). The credits will be given along with the sixth semester marks. Students are expected to produce certificates from hosting organisation/department/NGOs. | | | | | | | |
| **~** | **NSQF Assessment** | | | | | | | |
| **\*\*** | **Project / Mini Project: Internal marks 50: Observation report & Review, External marks 50: Presentation, Viva & Final record** | | | | | | | |
| **##** | **Part I: Language Paper Part II: English for Semester I & II will be followed by the Syllabus of BU Affiliated colleges approved by the Bharathiar University** | | | | | | | |
|  |  | | | | | | | |