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| **Scheme of Teaching and Examination for BE (Autonomous Scheme: 2022)** |
| ***IV SEMESTER - Information Science & Engineering*** |

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| **Sl.**  **No.** | **Course Area** | **Course Code** | **Course Name** | **Teaching Department** | ***Section A*** | ***Section B*** |
| 1 | BS | BITMA401\* | Mathematics-IV for IT Stream | ISE |  |  |
| 2 | IPCC | BISDA402\* | Design & Analysis of Algorithms | ISE | Dr. Prashanth M V |  |
| 3 | IPCC | BISDB403\* | Database Management Systems | ISE | Dr. Vartika Sharma / Rashmi S |  |
| 4 | PCC | BISSE404# | Software Engineering | ISE | Dr. Prema N S /  Prof. Shilpa K S | Prof. Shilpa K S |
| 6 | AEC | BITBE406 | Biology for IT Engineers (CS, IS, AI ML, EEE) | ISE |  |  |
| 7 | PLC |  | Professional Elective- II | ISE |  |  |
|  |  | BISAW417\* | Advanced Web Programming Laboratory | ISE | Prof. Vidyashree K P / Prof. Harini D K |  |
|  |  | BISAP417# | Advanced Python Programming Laboratory | ISE | Dr. Prema N S |  |
|  |  | BISAJ417# | Advanced Java Programming Laboratory | ISE | Prof. Chandini S B /  Prof. Manjesh R |  |
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# Note: \*For CS/IS/CI/AIML a course related to mathematics shall be offered as an professional elective course. Students who are aspiring for higher studies shall take mathematics as an elective course during 4th semester if it is not a mandatory course.

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| **Professional Elective – I** | |  | TPEC-II | |
| BISAW417\* | **Advanced Web Programming Laboratory** |  | BITTP408\* | Data Structures and Algorithms –I |
| BISAP417# | **Advanced Python Programming Laboratory** |  |  |  |
| BISAJ417# | **Advanced Java Programming Laboratory** |  |  |  |

***\*All courses are common to (CSE/ISE/AI&ML) programs. #Common to CS/IS***